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ANNUAL REPORT  
*of*  
*the*  
DEPARTMENT  
*of*  
ENERGY RESOURCES  
  
FOR THE CALENDAR YEAR  
1962

T. R. HILLIARD, Deputy Minister

HON. ROBERT W. MACAULAY, Q.C., Minister

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## **ERRATA**

### **Annual Report of the Department of Energy Resources, 1962**

- Page 47 — El Paso - Lake Erie No. 82-28 —  
read: July 10, 1962,  
for July 10, 1963.
- Page 53 — Haldimand Gas & Oil No. 450 —  
read: WHP. 375 psig.  
for WHP. 8 psig.
- Page 65 — Colonial Petroleum No. 23 —  
read: Lot 32,  
for Lot 12.
- Page 68 — Union Gas - Armstrong No. 1 —  
read: 200' W,  
for 100' W.
- Page 83 — S. C. Eaton Jr. No. 2 —  
read: 42° 50' 32" N.,  
for 45° 50' 32" N.



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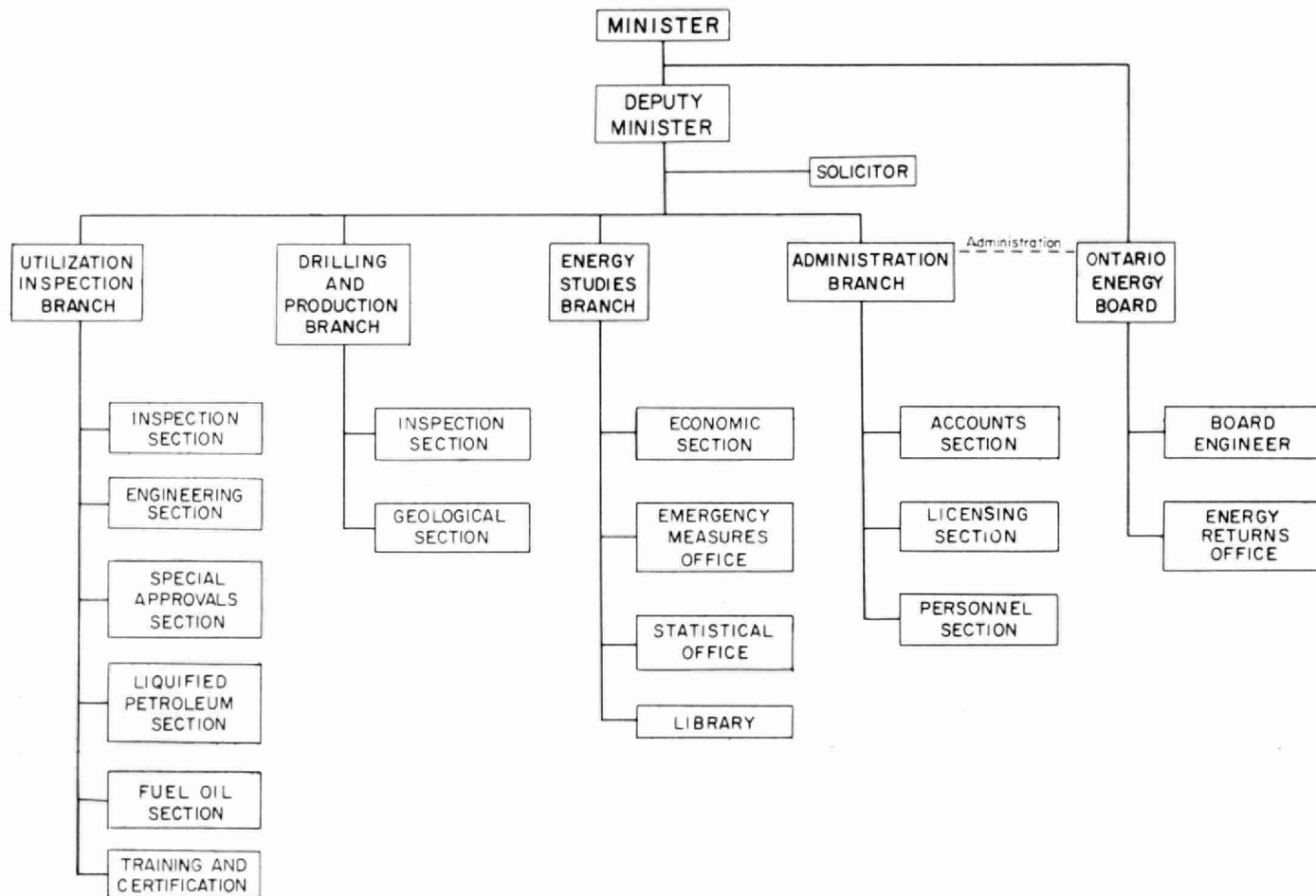
HON. ROBERT W. MACAULAY, Q.C., Minister





*Minister of Energy Resources*  
THE HONOURABLE ROBERT W. MACAULAY

## DEPARTMENT OF ENERGY RESOURCES



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## INTRODUCTION

The Department of Energy Resources as presently constituted came into existence on September 1, 1960, with the proclamation of the Energy Act. Therefore, this Annual Report, though being the third published by the Department, actually covers the second full calendar year of operation which ended on December 31, 1962.

Much has been accomplished in the interval to provide more effective regulation of the drilling for and the production of oil and gas, the transmission and storage of gas, and the distribution and utilization of gas, propane and fuel oil. The Acts, the Regulations and the Codes have been improved and expanded in keeping with the greatly increased usage of hydrocarbon fuels.

This report is mainly statistical, with some explanatory and descriptive material, and includes the logs of all wells drilled during the year. In general format it is similar to the Annual Reports of the Ontario Fuel Board for the years 1954 to 1959 inclusive, and to that Part of the Annual Report of the Ontario Department of Mines prepared by the Natural Gas Commissioner in the years prior to 1954.

One copy of this Report, while current, is supplied free of charge to all 1962 licensees and permittees, and to libraries, educational institutions and other interested parties on our permanent mailing list. Additional copies are available at 50¢ each. Copies of Reports for previous years may be obtained for \$1.00 each.

# **PART I**

## **UTILIZATION INSPECTION BRANCH**

This Branch is headed by a Director and is divided into six sections:

1. **An Inspection Section** which is concerned with pipeline construction, the operation of utilities, and the inspection and installation of appliances,
2. **An Engineering Section,**
3. **A Special Approvals Section,**
4. **A Liquefied Petroleum Section,**
5. **A Training and Certification Section,**
6. **A Fuel Oil Section.**

Each Section has responsibilities as follows:

### **1. Inspection Section**

- (a) Inspecting and checking all gas utilities to ensure that utilities are adequately inspecting their own installations and that those made by registered contractors comply with standards set up under the Act and the Regulations thereunder;
- (b) To inspect and ensure that the provisions of The Energy Act and Regulations thereunder are complied with to ensure safe and adequate standards of construction, design, maintenance and operation of pipe lines;
- (c) Making spot inspections of gas and oil appliances, including piping and venting thereof, installed by gas utilities and registered contractors;
- (d) Co-operating with and assisting municipal and provincial government departments in the interpretation and enforcement of the installation codes and regulations in order to effect the maximum public safety;
- (e) Inspecting and reporting on accidents involving the use of fuels which come within the scope of the Energy Act and Regulations.

The staff of this Section, headed by a Chief Inspector, made 23,865 inspections into all phases of appliance, pipeline and utility operation. Of this number, 20,047 were concerned with natural gas, 1,415 involved fuel oil inspection and 2,403 Liquefied Petroleum Gas inspection.

With respect to **appliance approval**, Ontario Regulation 24/62 was enacted on January 26, 1962. This regulation details the Ontario Government policy regarding the approval of fuel burning appliances for use within the Province.

The requirements of this particular regulation are summarized as follows.

1. The Canadian Gas Association is designated as an agency to test all gas appliances.
2. The Canadian Standards Association and the Underwriters' Laboratories of Canada are designated as agencies to test gas appliances having an input greater than 400,000 BTU. per hour.
3. The C.G.A., the C.S.A., and the Underwriters' Laboratories of Canada are designated as agencies to test appliances designed to burn both gas and fuel oil, either together or separately.
4. The C.S.A. and Underwriters' Laboratories of Canada are designated as agencies to test fuel oil appliances.

The agencies will test appliances in accordance with the requirements of specifications approved by the Minister, the titles of which have been published by the Department.

## **2. Engineering Section**

The Engineering Section prepared reports and maps on such subjects as gas storage, plastic pipe, fuel supplies and the pipeline code in conjunction with and for the Emergency Measures Organization and the War Supplies Agency.

## **3. Special Approvals Section**

Where no specification is available, the Department will examine, test and provide the label, if necessary, through the Special Approvals Section. The Department is required to inspect and, where applicable, to label gas appliances which have not been tested and certified by a designated testing organization.

These appliances fall into two groups:

- (1) Those for which specifications are not found in the **Titles of Specifications** approved by the Minister.
- (2) Those for which the cost of a laboratory test would be prohibitive.

The following program is carried out by the Section.

- i Inspection of appliances not certified by a laboratory.
- ii Supervision of the field testing of appliances of larger sizes, larger fuel inputs and those of a special nature.
- iii Compilation of data from laboratory test requirements, safety codes, and recognized good industry practice for the use of our staff in the field.

- iv Participation with industry in committee meetings to prepare test procedures, minimum safety requirements and recommended good practice manuals for the use of industry.
- v Study of drawings and diagrams of proposed appliance design and construction with a view to labelling.
- vi Spot inspections of certified appliances in the field to ensure compliance with requirements of specifications approved by the Minister.
- vii Co-operation with and assistance to other Government Departments and testing agencies in the interpretation of specifications.

The staff of the Section carried out 3,410 Special Inspections.

#### **4. Liquefied Petroleum Section**

The Department is required to license all persons who distribute and transfer liquefied petroleum gases.

During 1962 the Department issued 412 licenses to distribute L.P.G. and 126 licenses to transfer L.P.G.

With certain amendments, Part 3 of Canadian Standards Association B149-1962 Installation Code for Gas Burning Appliances and Equipment was adopted as the regulation covering storage, handling and use of L.P.G. in Ontario.

#### **5. Training and Certification Section**

The Department is required to examine applicants as Gas Fitters, Maintenance Gas Fitters and Pipeline Inspectors.

Successful applicants are provided with Certificates indicating their qualifications.

In order to assist these prospective applicants, a program has been set up to provide instruction relating to the various codes and regulations which must be followed in carrying out these functions. This training has been made available in Toronto and throughout the province.

In addition, a night course of 22 weeks' duration including examinations for Gas Fitters has been set up in co-operation with the Provincial Institute of Trades.

During the year the Branch issued licences to 582 Gas Fitters, 127 Maintenance Gas Fitters, 123 Pipeline Inspectors and 188 Liquefied Petroleum Gas Fitters. There were 2,893 Registration Certificates issued to contractors who install, service or remove fuel burning equipment.

#### **6. Fuel Oil Section**

The Department is required to register all persons who carry on the business of installing, removing or servicing fuel oil burning appliances.

The Canadian Standards Association B139-1957 Installation Code for Oil Burning Equipment is incorporated in the Regulations as the standard for oil-fired installations.

Early in the year, interested people from Ottawa approached the Department and the Ontario Energy Board with reference to the construction of a piping system for the distribution of fuel oil in a subdivision near that city. The development of a model system was followed closely and, pursuant to Section 5(c) of The Energy Act, a Licence to Distribute Fuel Oil by Pipeline was issued for the particular system.

## **PART II**

### **ENERGY STUDIES BRANCH**

This Branch is responsible for the preparation of the energy forecasts and all other economic information which is required by the Department. The departmental statistician works in conjunction with this Branch.

Two reports prepared by the Branch were published this year. One was a report on "The Liquefied Petroleum Gas Industry in Ontario," the other "The Future of Uranium and Nuclear Energy." Both these reports attracted a great deal of attention and favorable comment. The Branch also issues at regular intervals a statistical report showing the production of oil and natural gas in the Province as well as detailed monthly figures on the consumption and storage of natural gas. Personnel of the Branch attended a number of meetings of the Federal-Provincial Committee on Oil and Gas Statistics. A member of the Branch attended a number of Hearings of the National Energy Board in cases where the interests of the Province of Ontario were involved. Another member of the Energy Studies Branch flew to Australia to attend the International Power Conference in Melbourne.

## **PART III**

### **ADMINISTRATION BRANCH**

Administrative changes during the year under review included a change in Deputy Ministers. Mr. S. W. Clarkson transferred to the Department of Economics and Development, while Mr. T. R. Hilliard, formerly Assistant Deputy Minister, Department of Agriculture, became the new Deputy Minister. In addition, the Deputy Minister's office was moved from the Main Building at Queen's Park to 42 Charles Street East. This means that, with the exception of the Minister's office, the entire administrative function now is situated at 42 Charles Street East, Toronto.

No significant administrative problems were encountered in the accounting, the issuance of permits or in the personnel aspects in this Branch.

Displays depicting energy sources and the history of gas and oil production in Ontario were on exhibit at the Canadian National Exhibition, the Central Canada Exhibition (Ottawa), the Ontario Petroleum Institute Conference (London, Ontario), and at CANDU on Douglas Point.



# PART IV

## DRILLING AND PRODUCTION BRANCH

### FOREWORD

This Branch administers those sections of the Energy Act and the Regulations thereunder which deal with the drilling for and the production of gas and oil, such related activities as leasing oil and gas rights, and geo-physical and geochemical prospecting.

The outstanding highlight of the year was undoubtedly the finding of the Clearville oil pool in southeastern Kent county by Chester H. Whorton and Associates of Wellsville, N.Y. The oil comes from strata of Cambrian age, and the discovery has greatly intensified the interest in Cambrian exploration generally.

Other significant highlights of 1962 were: an appreciable increase in gas production of about 7.6%, the completion of 37 new gas wells in Lake Erie, and the drilling of a much greater percentage of Cambrian and Ordovician tests than ever before.

## Section I — Natural Gas

### General

As in previous Annual Reports, a brief but comprehensive statistical outline of the natural gas industry in Ontario in 1962 is presented below in Table I which we call the Gas Balance Sheet.

TABLE I — GAS BALANCE SHEET, 1962

		Thousands cubic feet*	Percent
<b>SUPPLY</b>			
Ontario production.....		15,648,294	10.1
Imports from:			
Western provinces.....	131,406,918		85.3
United States.....	5,403,974	136,810,892	3.5
From storage (net).....		1,602,752	1.1
Propane — air.....		3,419	
Total supply.....		154,065,357	100.0
<b>DISPOSITION</b>			
Sales			
Residential.....	55,377,659		
Commercial.....	18,900,949		
Industrial.....	74,942,090		
Total sales to consumers.....		149,220,698	96.8
Free gas.....	78,017		
Company use.....	1,013,568	1,091,585	0.7
Total consumption.....		150,312,283	
Gas to Hull, Que.....	1,356,584		0.9
Exports to U.S.A.....	256,687		0.2
Unaccounted for.....	2,139,803	3,753,074	1.4
Total disposition.....		154,065,357	100.0

\*at 14.73 psia.

The total net consumption of gas rose by 18.1% as compared to 1961; most of this increased volume came from Western Canada. Local production of gas increased about 7½% over 1961, and accounted for about 10.4% of the total consumption. The portion of the demand supplied from Ontario's gas fields has declined relatively each year since 1954, and this trend probably will continue as the Ontario market for gas expands.

Other points of interest in Table I are a small reduction in the amount of gas held in storage and, for the first time in many years, the export of gas to the United States. This export was from Cornwall to Massena to serve the northwestern portion of New York state; it commenced in September, 1962.

## Wells and Production

Table II presents in the greatest possible detail the sources of Ontario's own gas production, indicating field or pool name, location, producing formation, number of wells and measured or estimated field pressures. All known commercial pools are included; "idle" wells are listed, many of which have important potentials.

A study of Table II in relation to that for 1961 shows certain changes, some of which are significant.

In Elgin county, the pools in Aldborough and Dunwich townships were reactivated; and the old pools in Bayham township, with the help of one new

TABLE II — ONTARIO NATURAL GAS PRODUCTION BY FIELDS, 1962

County	Field or Field	Township	Formation	Idle Wells	Active Wells	Av. Shut-in W.H.P. psig.	Production in Mcf.*
Elgin	Cowal	Dunwich	Salina-Guelph	—	3	466	17,637
	Eden	Bayham	Clinton	7	32	130	37,123
	Richmond						
	Vienna	Houghton	Clinton	7	32	130	37,123
	Fairground	Ekfrid	Salina	3	8	530	57,423
	Townline	Aldborough					
	Woodgreen	Dunwich	Salina	—	1	388	
Essex	Kingsville	Lake Erie	Guelph	3	—	359	—
	Kingsville	Gosfield S.		15	8	158	15,634
	Leamington	Mersea		—	2	191	1,701
	Staples	Tilbury W.		1	5	192	5,821
	Malden	Malden		5	—	395	—
Haldimand	Haldimand	Lake Erie	Irondequoit	12	70	335	779,799
Brant	All townships	Thorold		33	850	130	482,871
		Tuscarora		—	15	54	
Lincoln	Caistor	Grimsby		18	67	75	13,269
Wentworth	Gainsborough	Whirlpool		—	3	70	70
	Binbrook			—	2	35	2,183
Halton	Acton	Esquesing	Gull River	—	15	243	40,930
	Hornby	Trafalgar		5	—	275	—
Huron	Bayfield	Stanley	Guelph	—	2	258	187,116
	Dashwood	Stephen		1	—	410	—
	Zurich	Hay		2	—	411	—

TABLE II — ONTARIO NATURAL GAS PRODUCTION BY FIELDS, 1962—*Continued*

	Botany	Howard	5	—	869	—
	Camden Gore	Camden	3	13	583	19,486
	Chatham	Chatham	0	25	440	142,313
	Chatham Gore	Chatham	2	—	723	—
	D'Clute	Lake Erie	7	10	485	553,861
	Dover	Raleigh	1	17	231	105,376
	Dover	Dover	4	5	222	65,487
Kent	Dresden	Chatham	—	—	—	—
	Dresden	Camden	2	5	640	121,193
	Guilds	Harwich	1	4	565	28,976
	Lake St. Clair	Lake St. Clair	1	3	550	11,413
	Morpeth	Lake Erie	1	3	433	53,058
	Morpeth	Howard	2	10	364	189,714
	Morpeth	Lake Erie	12	75	283	1,528,485
	Tilbury	Romney	—	—	—	—
	Tilbury	Tilbury E.	1	112	140	309,000
	Wolfe	Harwich	—	1	660	2,306
	Zone	Zone	1	47	334	82,602
	Misc.	Lake Erie	2	—	475	—
Lambton	Becher, E.	—	1	1	465	41,488
	Becher, W.	Sombra	4	8	380	435,702
	Bickford	—	10	2	534	2,437,956
	Colinville	—	—	—	—	—
	Kimball	Moore	17	4	227	993,150
	Coruna	—	1	10	370	284,451
	Dawn Misc.	Dawn	15	4	488	78,628
	Dawn 156	Dawn	6	9	649	3,057,433
	Dawn 167	Dawn-Ennis-killen	—	—	—	—
	Enniskillen	—	5	—	848	—
	26 & 28	Enniskillen	3	—	796	—
	Logierait	Moore	1	—	730	—
	Mandaumin	Plympton	—	1	334	234,355
	Seckerton	Moore	1	9	502	1,071,551
	Sombra	Sombra	2	1	493	136,478
Middlesex	Wardsville	Mosa	—	18	327	133,858
Norfolk	Norfolk	Lake Erie	10	13	390	171,555
	Norfolk	All tp.	55	548	330	1,184,148
Oxford	Gobles	Blenheim	2	9	230	235,396
	Norwich, S.	S. Norwich	—	6	275	20,552
Welland	Welland	Lake Erie	2	1	180	8,699
	Welland	All townships	—	—	—	—
	Welland	Whirlpool	247	415	130	268,047
Grand Totals			532	2,472	—	15,648,294

\*At 14.73 psia.

well, were able to increase their output slightly. The nearly depleted fields in Essex county showed a normal decrease.

Haldimand county, long a major source of Ontario's natural gas, almost held its own with the help of increased production from the offshore extensions of the field. Many of the new wells drilled during the summer were tied in to the on-shore system.

The production from Halton and Huron counties was almost unchanged. Both these sources are unique: Halton because it is the only commercial source of gas from the lower Black River formation of Ordovician age, and Huron because it is the most northerly productive Guelph reef in the Province.

The counties of Lambton and Kent, the source of more than 75% of our native gas and the site of our important storage reservoirs, produce almost

exclusively from the lower Salina and the Guelph formations. The biggest single source was Dawn 156, a relatively new reef-pool converted to storage during the summer months. The Bickford, Colinvile-Kimball and Seckerton reefs were also important sources, as was the old Tilbury field and its offshore extension.

The small pool near Wardsville in Middlesex county posted a normal decline; additional development drilling should bring the production rate back to previous levels.

In spite of the lack of any effective development drilling in Norfolk, this county posted a very considerable increase, about 30% over the previous year. Norfolk has long been a major producing area; yet much of the potentially productive acreage, both on land and offshore, remains undeveloped. On land particularly, much acreage is under lease but the lessees make little or no effort to explore and produce. It is a seeming paradox that the Province should import gas from Western Canada and the United States while its own resources remain undeveloped.

In the remaining two producing areas, Oxford and Welland counties, volumes showed only a small decline.

Table IV lists licensed gas and oil producers in 1962, ranging from the integrated major corporations to private individuals with one well.

## Lake Erie

Table III is identical in format to Table II, but herein those statistics pertaining only to Lake Erie are shown.

At year's end the number of gas wells in that Lake had increased from 185 to 211, of which 175 were in active use. Production from the lake declined by 5.5% with the decrease occurring in all areas; yet Lake Erie production comprised nearly one-fifth of Ontario's total production. At time of writing the lake drilling season is again under way, and early indications are that 1963 completions will add substantially to the proven reserves under the lake.

TABLE III — LAKE ERIE GAS WELLS AND PRODUCTION, 1962

County	Field or Pool	Wells		Av. Shut-in W.H.P. psig.	Production Mcf.*
		Idle	Active		
Essex	Kingsville, etc.	3	—	359	—
Kent	D'Clute	7	10	485	553,861
	Morpeth	1	3	433	53,058
	Tilbury	12	75	283	1,528,485
	Other	2	—	475	—
Norfolk	Norfolk	10	13	390	171,555
Haldimand	Haldimand	12	70	335	779,799
Welland	Welland	2	1	180	8,699
Totals		49	172		3,095,457

\*14.73 psia.

## Gas Storage

Ontario has excellent gas storage facilities in the form of the partially depleted Silurian reef reservoirs in Lambton county.

At the year's end there were 6 designated and authorized gas storage pools, 5 of them in use, and 5 more designated but not yet authorized. The total volume in the 6 pools, including cushion gas, was over 68 billion cubic feet at the end of the injection season in October.

During the 1962 injection season, approximately 20 billion cubic feet of imported natural gas was put into the 5 pools. Due to the severity of the winter, 28.4 billion cubic feet had been withdrawn by April of 1963, a net reduction of 8.4 billion cubic feet, and pressures in some pools approached what is considered cushion pressure.

These figures show that there is no lack of market for locally produced gas. More significantly, they indicate the great importance of gas storage, and the necessity of maintaining and enlarging our gas storage facilities to meet the rapidly increasing market demand. One or more additional pools must be available in 1964.

Ontario is most fortunate in having ideal and adequate gas storage reservoirs. Undoubtedly as our gas market expands, the operation of these reservoirs will become an even more important phase of our natural gas industry—important to the producers, lessors, operators, utilities and consumers alike.

## Section 2—Oil Production

### General

As mentioned in other sections of this report, the highlights of 1962 oil production were the prolific wells in the newly discovered Clearville field, and the greatly increased volume from the Gobles field. Together these two Cambrian fields supplied nearly one-fifth of the total. At time of writing, the fraction had enlarged to nearly one-third.

Nearly all crude produced is purchased by Imperial Oil Limited, and is transported to their Sarnia refinery by truck or pipeline. Prices in January, 1962, were \$3.31 for Essex Ordovician crude, \$3.22 for Gobles crude, and \$3.14 for all other. An across-the-board increase of 10¢ per barrel was posted in May. Based on the above prices, the total delivered value of all Ontario production was about \$3,660,000, equivalent to \$3.23 per barrel. Estimating the average transport charge at 37¢ per barrel, the total wellhead value was \$3,240,000.

There were 55 oil producers: 28 individuals, 21 companies and 6 partnerships or syndicates. Licensed oil and gas producers are listed in Table IV.

The source of oil by age group continued a trend initiated by the discovery of the Gobles field in 1959 in that production from the deeper reservoirs is

TABLE IV — LICENSED PRODUCERS, 1962

NAME	ADDRESS
A. C. Gas Syndicate	Ridgeway, Ont.
Albino Gas Ltd.	Toronto, Ont.
Albot Gas and Oil Ltd.	Toronto, Ont.
Alleghany Producing Corporation	Wellsville, N.Y.
Anchor Petroleum Ltd.	Toronto, Ont.
Annett, R.	Bothwell, Ont.
Anthony Gas and Oil Explorations Ltd.	Acton, Ont.
Arno Mines Ltd.	Toronto, Ont.
Atkinson, J.	Petrolia, Ont.
Ayrheart, E. J.	Oil Springs, Ont.
Bates, N.	Port Colborne, Ont.
Beacon Gas Syndicate	Snyder 26, N.Y.
Beaver Gas Syndicate	Ridgeway, Ont.
Becker, D.E.	Erie County, N.Y.
Ben Brae Co. Ltd.	Hamilton, Ont.
Benner, K.W.	Fisherville, Ont.
Bertie Oil and Gas Ltd.	Toronto, Ont.
Big Seven Gas Syndicate	Fisherville, Ont.
Bluewater Oil and Gas Ltd.	Calgary, Alta.
Bolivar Gas Co.	Bolivar, N.Y.
Booth, A.	Niagara Falls, Ont.
Bova Gas and Development Co.	Buffalo 2, N.Y.
Bradley, M.	Petrolia, Ont.
Brennan, R. J.	Bradford, Pa.
British American Oil Co.	Toronto, Ont.
Buck, C. S., Estate	London, Ont.
Byers Bros.	Oil Springs, Ont.
Byers, L.	Petrolia, Ont.
Camerina Petroleum Corp.	Toronto, Ont.
Canada Cities Service Petroleum Ltd.	Calgary, Alta.
Canadian Kewanee Ltd.	Calgary, Alta.
Cango Development Ltd.	Buffalo 16, N.Y.
Can-York Prospecting Syndicate	Fort Erie, Ont.
Caughell Bros.	Dunnville, Ont.
Central Pipe Line Co. Ltd., The	Aylmer, Ont.
Cole, W. J.	Petrolia, Ont.
Colonial Petroleum Ltd.	Chatham, Ont.
Comfort, N.E.	Chatham, Ont.
Consolidated West Petroleum Ltd.	Toronto, Ont.
Consumers' Gas Co.	Toronto, Ont.
Copeland, Mrs. R.	Petrolia, Ont.
Coronation Gas Syndicate	Stevensville, Ont.
Corsair Oil & Gas Ltd.	Sarnia, Ont.
Crowland Gas Syndicate Ltd.	Welland, Ont.
D. and M. Syndicate	Fort Erie, Ont.
Daubaris, F. & O.	Dunnville, Ont.
Dawson, R.	Merlin, Ont.
Deanna Lee Gas Syndicate	Finch, Ont.
Dell-Burn Gas Ltd.	Dunnville, Ont.
DeMers, V.	Petrolia, Ont.
Dickout Bros.	Lowbanks, Ont.
Donald, G., Estate	Oil Springs, Ont.
Donolga Co.	Simcoe, Ont.
Edmund Gas Syndicate	Port Colborne, Ont.
Edward, F. H.	Petrolia, Ont.
Elgin Petroleum Corporation Ltd.	Rodney, Ont.
El Paso Gas Products Co.	Dunnville, Ont.
Emerson, H. L.	Dunnville, Ont.
Essex Gas & Oil Ltd.	Toronto, Ont.
Fairbank J. H., Estate	Petrolia, Ont.
Felmont Oil Corporation	Owensboro, Kentucky
Fendrich & Moser	Tillsonburg, Ont.
Fisherville Gas Syndicate	Fisherville, Ont.
Fleet Manufacturing Ltd.	Fort Erie, Ont.
Fletcher, Mrs. E.	Glanford Station, Ont.
Foreign Exploration Corp. Ltd.	Toronto, Ont.
Freer, J.	Kerrwood, Ont.
George, A.	Fort Erie, Ont.
Glenard Ltd.	Dunnville, Ont.

TABLE IV — LICENSED PRODUCERS, 1962 — *Continued*

NAME	ADDRESS
Godby, W. M.	Langton, Ont.
Grand River Gas Ltd.	Canfield, Ont.
Greer, H. H.	Welland, Ont.
Greenacres Gas Syndicate	Fort Erie, Ont.
Grimsby Natural Gas Co. Ltd., The	Toronto, Ont.
Gurnell, N.	Stevensville, Ont.
Haldimand Gas and Oil Wells Ltd.	Cayuga, Ont.
Haldimand Natural Gas Syndicate	Stevensville, Ont.
Heise and Marton Gas Syndicate	Welland, Ont.
Hercules Oil & Gas Syndicate	Ridgeway, Ont.
Highbank Oil Ltd.	Chatham, Ont.
Holmes, E. B.	Bothwell, Ont.
House, C. C., Estate	Niagara Falls, Ont.
Huron Petroleum Co.	Chatham, Ont.
Imperial Oil Ltd.	Chatham, Ont.
Jackson, P. L.	Dunnville, Ont.
Jarvis Hereford Farms	Jarvis, Ont.
Jewell and Morningstar	Oil Springs, Ont.
J. V. J. Syndicate	Snyder 26, N.Y.
Kells, E. E.	Petrolia, Ont.
Keradec Petroleum Ltd.	Toronto, Ont.
Kerr, J. & J., Co. Ltd.	Petrolia, Ont.
Kinsey, O. W.	Dunnville, Ont.
Kodyen, E. A.	Sarnia, Ont.
Lapp, W.	Niagara Falls, Ont.
Lapp & Arendt	Stevensville, Ont.
Layton Gas & Oil Co.	Olean, N.Y.
LeJeune, L.	Ridgeway, Ont.
Lewis, C.B.	Lum, Mich.
Lewis, W. G.	Oil Springs, Ont.
Lincoln Natural Gas Ltd.	Dunnville, Ont.
Linda Lee Syndicate	Ridgeway, Ont.
Long Point Gas & Oil Co. Ltd.	Simcoe, Ont.
Lowbanks Gas Co. Ltd.	Dunnville, Ont.
M.M.T. Syndicate	Snyder 26, N.Y.
MacAnn Wall Prospecting Syndicate	Franklinville, N.Y.
MacGillivray, Mrs. M.	Oil Springs, Ont.
MacIntyre & Hawkins	Fort Erie, Ont.
Maguire, J. T.	Clifford, Ont.
Marcus, L.	Wallacetown, Ont.
McGaffey, E.	Bothwell, Ont.
McMaster, R., & Sons Co. Ltd.	Caledonia, Ont.
McPherson, R. L.	Riverside, Ont.
Medina Gas Syndicate	Welland, Ont.
Meyers, P.	Fort Erie, Ont.
Mile 18 Mines Ltd.	Toronto, Ont.
Mitchell, C.	Oil Springs, Ont.
Mitchell, G.	Oil Springs, Ont.
Mitchell, J.	Princeton, Ont.
Monarch Gas and Oil Syndicate	Fisherville, Ont.
Monte Gas Syndicate	Fort Erie, Ont.
Morningstar, G.	Oil Springs, Ont.
Morningstar, H.M.	Oil Springs, Ont.
Morningstar, R.	Ridgeway, Ont.
Morrison, R. and D.	Langton, Ont.
Murdoch, W.	Dunnville, Ont.
Mulgrave Gas Syndicate	Ridgeway, Ont.
Neff, R. L.	Sherkston, Ont.
Newport Gas Syndicate	Fort Erie, Ont.
Niagara Gas Syndicate	Fisherville, Ont.
Niece, E.	Dunnville, Ont.
Niece, W. G. and L. M.	Lowbanks, Ont.
Nigh, C.	Stevensville, Ont.
Norgas Development Co.	Simcoe, Ont.
North Shore Gas Co., The	Selkirk, Ont.
Noyes, R.	Stevensville, Ont.
Nycan Gas Co.	North Tonawanda, N.Y.
N. Y. K. Oil (Canada) Ltd.	Oil Springs, Ont.
Ontario Lands & Oil Co. Ltd.	Petrolia, Ont.



TABLE IV — LICENCED PRODUCERS, 1962 — *Continued*

NAME	ADDRESS
Ort, C. H.	Chippawa, Ont.
Pal Oil & Gas Co.	St. Thomas, Ont.
Palco and Marr	Wainfleet, Ont.
Paris Petroleum Ltd.	Princeton, Ont.
Pattinson, Mrs. E. M.	Aylmer (West), Ont.
Peacock Point Gas & Oil Syndicate	Fisherville, Ont.
Pegg, Leonard & Associates	Morpeth, Ont.
Pegg Enterprises Ltd.	Morpeth, Ont.
Petrol Oil and Gas Co. Ltd., The	Calgary, Alta.
Place Gas and Oil Co. Ltd.	Toronto, Ont.
Pleasant Beach Gas Syndicate	Sherkston, Ont.
Pope, W.	Bothwell, Ont.
Prairie Gas and Oil Co. Ltd.	Toronto, Ont.
Provincial Gas Co. Ltd.	Fort Erie, Ont.
Putman & Putman	Kingsville, Ont.
Radar Exploration Co.	Toronto, Ont.
Rae, R.	Niagara Falls, Ont.
Raydis Oil and Gas Co. Ltd.	Chatham, Ont.
Regal Mining and Development Ltd.	Toronto, Ont.
Reid, E.	Petrolia, Ont.
Richmond Developments Ltd.	Ridgeway, Ont.
Riddell-Hanna Explorations Ltd.	Highland Park 3, Mich.
Riddell-Meyers	Fort Erie, Ont.
Riverside Syndicate	Welland, Ont.
Roberts & Hessin	Coudersport, Pa.
Robinson Road Gas Syndicate	Dunnville, Ont.
Roth and Roth Ltd.	Petrolia, Ont.
Roth and Roth and F. L. Riffin	Petrolia, Ont.
Roth, Helen M.	Ridgeway, Ont.
Royal Gas Syndicate	Stevensville, Ont.
Ruch, K.	Stevensville, Ont.
Ruegg Gas Co.	Ridgeway, Ont.
R. V. R. Gas Syndicate	Ridgeway, Ont.
Sagadahoc Oil & Gas Corp.	San Francisco, Cal.
Salina Gas and Oil Co.	Chatham, Ont.
Schier, F.	Stevensville, Ont.
Shain, V.	Petrolia, Ont.
Shamblaw, W. M.	Kerrwood, Ont.
Sherk, B.	Ridgeway, Ont.
Sherkston Gas Syndicate	Sherkston, Ont.
Sider, A. and J.	Stevensville, Ont.
Sider, N.	Fort Erie, Ont.
Sider, R.	Fort Erie, Ont.
Simon, B.	Chippawa, Ont.
Sodom, L. and A., Syndicate	Ridgeway, Ont.
Standard Gas and Oil Syndicate	Fisherville, Ont.
Stevensville Natural Gas and Fuel Co.	Stevensville, Ont.
Stewart, E.	Jarvis, Ont.
Sumac Oil & Gas Co.	Wichita, Kansas.
Sunnyside Gas Syndicate	Welland Junction, Ont.
T. H. & G. Syndicate	Ridgeway, Ont.
Tri-County Gas and Oil Co. Ltd.	London, Ont.
Triform Exploration Ltd.	Toronto, Ont.
Trio Gas Company	Dunnville, Ont.
Tunks, J.	Bothwell, Ont.
Twin City Gas Syndicate	Fort Erie, Ont.
Union Gas Co. of Canada, Ltd.	Chatham, Ont.
Valencourt Estate	Welland, Ont.
Valencourt L.	Welland, Ont.
Wainfleet Oil & Gas Ltd.	Toronto, Ont.
Wale, H.	Stevensville, Ont.
Warwick, J. L.	Bothwell, Ont.
Weaver, F.	Port Colborne, Ont.
Webbwood Exploration Co. Ltd.	Toronto, Ont.
Welland County Gas Syndicate	Stevensville, Ont.
Welland Gas Syndicate	Dunnville, Ont.
Welland Iron and Metal Co.	Welland, Ont.
Wellandport Natural Gas Co. Ltd.	Dunnville, Ont.
Whorton and Associates	Wellsville, N.Y.



TABLE IV — LICENCED PRODUCERS, 1962 — *Continued*

NAME	ADDRESS
Wilkinson Gas Syndicate.....	Fort Erie, Ont.
Woodstock Oil and Gas Co., The.....	Wichita, Kansas.
York Producing Co. Ltd.....	Wallaceburg, Ont.
Yuez Gas Co.....	Buffalo, N.Y.
Zenmac Metal Mines Ltd.....	Toronto, Ont.

replacing the decline in Devonian and Silurian production as shown in the following comparison by percentages:

	1958	1959	1960	1961	1962
Devonian.....	53.5	38.1	36.3	41.5	33.9
Silurian.....	46.1	56.5	44.8	43.3	36.5
Cambro-Ordovician.....	.4	5.4	18.9	15.2	29.6

Table V lists in detail the source of crude oil produced in 1962, by pool or field, county and township. Table VI provides a comparison over a five-year period.

TABLE V — ONTARIO OIL FIELDS, WELLS AND PRODUCTION, 1962  
QUANTITIES IN BARRELS

County	Field or Pool	Townships	Producing Horizon	New	Wells Active	Production
<b>BRANT, OXFORD</b>	Gobles . . . . .	Burford, Blenheim . . . . .	Cambrian . . . . .	11	23	143,321
<b>ELGIN</b>	Crinan . . . . .	Aldbrough . . . . .	Salina . . . . .	—	1	173
	Rodney . . . . .	Aldbrough . . . . .	Columbus . . . . .	—	248	252,785
	Wallacetown . . . . .	Dunwich . . . . .	Columbus . . . . .	—	23	1,547
<b>ESSEX</b>	Colchester . . . . .	Colchester S. . . . .	Trenton . . . . .	—	12	66,324
	Kingsville . . . . .	Gosfield S. . . . .	Trenton . . . . .	—	1	646
	Malden . . . . .	Malden . . . . .	Trenton . . . . .	4	6	25,305
	Malden 25 . . . . .	Malden . . . . .	Trenton . . . . .	—	1	802
<b>KENT</b>	Bothwell- Thamesville . . . . .	Camden, Zone . . . . .	Dundee- Columbus . . . . .	—	52	9,583
	Chatham . . . . .	Chatham . . . . .	Guelph . . . . .	—	2	5,338
	Clearville . . . . .	Orford . . . . .	Cambrian . . . . .	7	7	99,124
	Dover . . . . .	Dover . . . . .	Trenton . . . . .	—	1	50
	Dresden . . . . .	Camden, Chatham . . . . .	Guelph . . . . .	—	5	2,267
<b>LAMBTON</b>	Becher . . . . .	Sombra . . . . .	Salina . . . . .	—	34	47,764
	Colinville . . . . .	Moore . . . . .	Salina, Guelph . . . . .	—	4	7,999
	Corunna . . . . .	Moore . . . . .	Salina, Guelph . . . . .	1	11	91,564
	Dante . . . . .	Euphemia . . . . .	Dundee . . . . .	—	1	267
	Dawn . . . . .	Dawn . . . . .	Guelph . . . . .	1	5	21,324
	Kimball . . . . .	Moore . . . . .	Salina . . . . .	—	1	2,141
	Oil Springs . . . . .	Enniskillen . . . . .	Dundee- Detroit River . . . . .	—	458	53,694
	Petrolia . . . . .	Enniskillen . . . . .	Dundee- Detroit River . . . . .	4	170	27,238
	Seckerton . . . . .	Moore . . . . .	Guelph . . . . .	—	8	46,861
	Seckerton, N. . . . .	Moore . . . . .	Guelph . . . . .	—	3	45,855
	Shetland (Dev.) . . . . .	Euphemia . . . . .	Dundee . . . . .	—	88	2,497
	Shetland (Sil.) . . . . .	Euphemia . . . . .	Guelph . . . . .	—	1	60
	Sombra . . . . .	Sombra . . . . .	Guelph . . . . .	—	1	100
	Talford . . . . .	Moore . . . . .	Guelph . . . . .	—	1	1,180
	Wanstead . . . . .	Brooke, Enniskillen . . . . .	Guelph . . . . .	—	3	38,718
	Warwick . . . . .	Warwick . . . . .	Guelph . . . . .	—	3	62,743
<b>MIDDLESEX</b>	Glencoe . . . . .	Mosa . . . . .	Dundee- Columbus . . . . .	—	120	36,762
	Grand Bend . . . . .	McGillivray, Stephen . . . . .	Guelph . . . . .	—	4	40,058
	Kerrwood . . . . .	Metcalfe . . . . .	Dundee- Detroit River . . . . .	—	2	444
Totals . . . . .				28	1,300	1,134,534

TABLE VI -- OIL PRODUCTION IN ONTARIO, 1958 TO 1962

County	Field	1958	1959	1960	1961	1962	Remarks
<b>BRANT, OXFORD</b>	Gobles . . . . .	—	—	2,757	64,897	143,321	Development drilling
<b>ELGIN</b>	Rodney . . . . .	326,162	286,116	248,364	348,810	252,785	Sharp decline
	Wallacetown . . . . .	1,725	1,915	1,926	1,745	1,547	
<b>ESSEX</b>	Colchester . . . . .	—	51,899	185,541	105,655	66,324	Rapid decline
	Malden . . . . .	—	—	—	2,774	25,305	New field
<b>KENT</b>	Bothwell-Thamesville . . . . .	11,579	10,561	9,262	9,933	9,583	
	Chatham . . . . .	5,541	5,938	6,729	6,038	5,338	
	Clearville . . . . .	—	—	—	—	99,124	Important discovery
	Dover . . . . .	1,585	1,193	1,199	854	50	
	Dresden . . . . .	1,904	2,786	4,005	4,103	2,267	
<b>LAMBTON</b>	Becher . . . . .	41,154	50,974	62,286	57,237	47,764	Normal decline
	Colinville . . . . .	8,143	5,812	9,502	5,051	7,999	
	Corunna . . . . .	108,782	208,813	132,881	104,665	91,564	Normal decline
	Dawn . . . . .	32,736	41,509	41,917	24,578	21,324	
	Kimball . . . . .	1,667	4,396	3,153	4,547	2,141	
	Oil Springs . . . . .	30,841	32,784	48,596	51,079	53,694	Increase by water injection
	Petrolia . . . . .	29,346	25,740	25,153	26,605	27,238	
	Seckerton . . . . .	26,874	62,377	32,982	48,187	46,861	
	Seckerton N. . . . .	—	8,239	29,516	58,958	45,855	
	Shetland (Dev.) . . . . .	344	802	1,656	3,254	2,497	
	Telford . . . . .	—	3,321	2,504	1,610	1,180	
	Wanstead . . . . .	37,252	82,661	38,524	42,142	38,718	
	Warwick . . . . .	34,947	40,835	46,904	71,937	62,743	Normal decline
<b>MIDDLESEX</b>	Glencoe . . . . .	15,863	22,351	28,595	34,978	36,762	Water injection
	Grand Bend . . . . .	58,551	45,257	37,112	68,484	40,058	Sharp decline
<b>Other</b>	Misc. . . . .	3,345	5,301	3,966	966	2,492	
<b>Totals</b>		778,341	1,001,580	1,005,030	1,149,087	1,134,534	

## **Fields**

Comparing Table V with the data for 1961, the major changes were the increase in the Gobles output, the new production from Clearville and Malden, and a sharp decline in Rodney. Most of the other fields showed a normal decline. The exceptions were three Devonian fields where water-flood has resulted in a modest increase—Oil Springs, Petrolia and Glencoe.

In Elgin, production from Rodney declined sharply; the effects of the secondary recovery projects initiated in 1962 have not become evident as yet. Essex county is the source of almost all the Ordovician oil produced in 1962; here the new production from Malden partially offset the decline in Colchester.

The big news in Kent, and indeed in the whole Province, was the discovery and development of the Clearville pool, one of the most prolific in Ontario and the reason for the up-surge of interest in the Cambrian formation generally. The reservoir has normal pressure, a most encouraging feature in comparison with Gobles where the pressure was subnormal; in addition, accumulation appears to be controlled by structure.

New wells in the Gobles field in Brant and Oxford counties more than doubled the oil volume from that source, and put Gobles in second place after Rodney.

Lambton county remained the stronghold of Silurian oil production, and showed a normal decline. During 1963 and 1964, it is anticipated that water-flood projects and gas storage will reverse this trend. As mentioned above, water-flood projects were responsible for modest increases at Oil Springs and Petrolia.

There are only two fields of significance in Middlesex county, viz., Grand Bend and Glencoe. Both are under water-flood: that at Glencoe being moderately successful, while the project at Grand Bend is new and not yet completely evaluated.

## **Section 3—Exploration and Drilling**

### **Summary**

This section of the Report attempts to present in some detail a story of the exploration and drilling activity which took place in the calendar year 1962. It is subdivided into the usual subsections, each presenting statistics on a particular phase of the activity.

Highlights of the year were the increased geochemical surveys, the intensified leasing activity—both on land and in Lake Erie, the high success-ratios in drilling, the larger number of Cambrian tests, and last, but not least, the discovery of the Clearville oil field.

### **Geophysical Exploration**

The type and scope of such prospecting varied widely during the year under discussion. There were 13 licensees as listed in Table VII, and the crew-month total was the greatest on record due to the abnormal amount of

TABLE VII — PERSONS LICENSED TO CONDUCT GEOPHYSICAL  
AND GEOCHEMICAL EXPLORATION

NAME	ADDRESS
Bluewater Oil & Gas Ltd.	Calgary, Alta.
British American Oil Co. Ltd.	Toronto, Ont.
California Standard Co. Ltd.	Ottawa, Ont.
Douglas, N.	Dallas, Texas.
Edgewater Petroleum Ltd.	Toronto, Ont.
Imperial Oil Ltd.	Chatham, Ont.
McClusky, J.	Scarboro, Ont.
Ontario Natural Gas Storage & Pipelines Ltd.	Chatham, Ont.
Place Gas & Oil Co. Ltd.	Toronto, Ont.
Regal Mining & Development Ltd.	Chatham, Ont.
Riddell-Hanna Explorations Ltd.	Highland Park 3. Mich.
Texaco Explorations Ltd.	Calgary, Alta.
Union Gas Co. of Canada, Ltd.	Chatham, Ont.
Western Albermont Petroleum Ltd.	Calgary, Alta.

geochemical sampling and analysis. We sincerely hope that the high level of geophysical and geochemical activity will continue in successive years as these scientists become more proficient in unravelling the mysteries of Ontario's Palaeozoic sediments.

The breakdown of activity is given below.

Table VIII—Geochemical and Geophysical Activity

	Crew-months	Acreage covered
Geochemical	27	1,420,000
Gravity Meter	6¼	344,300
Magnetometer	6¼	1,251,500
Seismic	1	40,000
Electrical	1	16,000
Other	½	2,200
Totals	42	3,074,000

The crews were widely scattered—from Lake Erie to Grey county and from Essex to Welland. Nearly all the activity was on land. Some of the work was of an experimental nature, and efforts were continued to adapt the tools of geophysics and geochemistry to Ordovician and Cambrian exploration.

## Leasing

The number of Licences to Lease Oil and Gas Rights issued in 1962 was 210; this shows a relatively high rate of activity. This indication was proven correct by the totals submitted by the licensees, returns which were obtained this year for the first time.

Table IX is a list of the licensees; and Table X is a consolidation of the leasing reports submitted to us as required by Section 32 of the general regulations, showing by counties the acreage newly acquired during the year.

The interest in land acreage was paralleled by applications for areas in Lake Erie, the only lake in which drilling is permitted at present. In that lake, 193 Licences of Occupation covering 909,390 acres were issued. At year's end, the total number of acres under Licence or Lease in the Great Lakes was 1,429,955 as compared to 853,966 at the end of 1961. Nearly all of this acreage is in Lake Erie.

TABLE IX — PERSONS LICENSED TO ACQUIRE RIGHTS, 1962

NAME	ADDRESS
Alcon Petroleum Ltd.	Calgary, Alta.
Allan, H.	Detroit Mich.
Allegheny Producing Corporation	Wellsville, N.Y.
Amber Gas & Oil Co. Ltd.	St. Thomas, Ont.
Anchor Petroleum Ltd.	Toronto, Ont.
Anthony Gas & Oil Explorations Ltd.	Acton, Ont.
Azler, W.	Windsor, Ont.
Balmer, H. J.	Chatham, Ont.
Baxley, W.	Rodney, Ont.
Beach, P. J.	St. Catharines, Ont.
Berry, D. C.	Calgary, Alta.
Boyce, G.	Chatham, Ont.
Brady, Findlay & Quillian Ltd.	Chatham, Ont.
British American Oil Co. Ltd.	Toronto, Ont.
Brown, C. S.	Wichita, Kansas
Bryant, D. E.	London, Ont.
Buck Estate, C. S.	London, Ont.
Calvan Consolidated Oil & Gas Co. Ltd.	Calgary, Alta.
Camerina Petroleum Corporation	Houston, Texas
Cameron, W. L.	Lambeth, Ont.
Canadian Delhi Oil Ltd.	Calgary, Alta.
Central Pipe Line Co. Ltd., The	Chatham, Ont.
Chalton, W. E.	Tillsonburg, Ont.
Chilian, G. W.	Toronto, Ont.
Chittim, G.	Milton, Ont.
Chomyn, M. W.	Ottawa, Ont.
Chown, P.	Chatham, Ont.
Christensen, F. G.	Don Mills, Ont.
Coatsworth, T. E.	Chatham, Ont.
Conroe, J. L.	Wichita, Kansas
Consolidated West Petroleum Ltd.	Toronto, Ont.
Consumers' Gas Co.	Toronto, Ont.
Coppinger, W. J.	Wichita, Kansas
Coste, E. F.	Toronto, Ont.
Crowland Gas Ltd.	Toronto, Ont.
Cruikshank J. G.	Toronto, Ont.
Cullen, R. M.	Toronto, Ont.
Culver, G. D.	Dunnville, Ont.
Cyanamid of Canada Ltd.	Woodstock, Ont.
Dawson, A.	Selkirk, Ont.
Dell-Burn Gas Ltd.	Toronto, Ont.
DeMers, V. E.	Petrolia, Ont.
Detweiler, C. E.	Brantford, Ont.
Dufton, F. R.	London, Ont.
Duke, J. W.	Chesley, Ont.
Earl, S.	Kerrwood, Ont.
Eckford, A. C.	Courtland, Ont.
Electric Reduction Co.	Toronto, Ont.
Ellis, F. Jr.	Toronto, Ont.
Elson, J.	Toronto, Ont.
Evans, G.	Glencoe, Ont.
Everett, H. E., Jr.	Detroit 39, Mich.
Feldmeier, L.	Morrison, Ont.
Felmont Oil Corporation	Owensboro, Kentucky
Ferguson, D. A.	Chatham, Ont.
Fineberg, B.	Detroit 2, Mich.
Fraser, C. Douglas	Chatham, Ont.
Girling, W.	Toronto, Ont.
Gligor, P.	Windsor, Ont.
Glover, W. F.	London, Ont.
Goodland, W.	Brantford, Ont.
Gough, L.	Toronto, Ont.
Gough, P.	Toronto, Ont.
Graham, H.	Port Stanley, Ont.
Gray, A. S.	Pontiac, Mich.
Grimsby Natural Gas Co. Ltd.	Grimsby, Ont.
Gull Oil & Gas Ltd.	Calgary, Alta.
Haldimand Gas & Oil Wells Ltd.	Cayuga, Ont.
Halls, T. E.	Fergus, Ont.

TABLE IX — PERSONS LICENSED TO ACQUIRE RIGHTS, 1962 — *Continued*

NAME	ADDRESS
Hickman, J.	Regina, Sask.
Holleman, P.	Evansville, Ind.
Home Oil Co. Ltd.	Calgary, Alta.
Huperz, M.	Detroit, Mich.
Hussey, D. J.	Toronto, Ont.
Hussey, E. B.	Lucan, Ont.
Imperial Oil Ltd.	Chatham, Ont.
Irving, D.	Simcoe, Ont.
Jamieson, A. H.	Tillsonburg, Ont.
Jarvis Hereford Farms.	Jarvis, Ont.
Johnson, R. D.	Calgary, Alta.
Johnston, G. K.	London, Ont.
Jule Du Mar Oils Ltd.	London, Ont.
Kerr, R. J.	Rodney, Ont.
Killens, A.	Toronto, Ont.
Knight, H.	Scarboro, Ont.
Lange, S.	Sarnia, Ont.
Larsen, J. R.	Calgary, Alta.
Layton Gas & Oil Co.	Olean, N.Y.
Lindeman, M. F.	Wichita, Kansas
Long Point Gas and Oil Ltd.	Simcoe, Ont.
Luypaert, D.	Tillsonburg, Ont.
MacDonald, J.	Toronto, Ont.
Mahaffy, A. M. and M. F.	Toronto, Ont.
Maki, W. E.	Farmington, Mich.
Maldonée, F. W.	Wichita, Kansas
Mann, R. E.	Simcoe, Ont.
Markel, R. D.	Clark Lake, Mich.
Martin, S.	Wichita, Kansas.
McAuliffe, J.	Jackson, Mich.
McClintock, H. S.	Wichita, Kansas.
McClintock, H. S., Jr.	Tulsa 3, Okla.
McClusky, J.	Scarboro, Ont.
McDonald, G.	London, Ont.
McGaffey, E. R.	Bothwell, Ont.
McKay, A.	Rodney, Ont.
McKenzie, D. F.	Sarnia, Ont.
McKenzie, G. D.	London, Ont.
McKeough, W. S.	Cedar Springs, Ont.
McKillop, L. C.	Tillsonburg, Ont.
McLachlin, D.	Tupperville, Ont.
McLean, A.	Rodney, Ont.
McMaster, R., & Sons Co. Ltd.	Caledonia, Ont.
McMillan G.	Blenheim, Ont.
McPherson, R. L., Drilling Col. Ltd.	Riverside, Ont.
Mhaighster Mining & Petroleum Co. Ltd.	Caledonia, Ont.
Midwest Exploration Co.	Wichita, Kansas
Mile 18 Mines Ltd.	Toronto, Ont.
Molindyk W.	Toronto, Ont.
Morewood Co. Ltd., The.	Toronto, Ont.
Mouser, C.	Wichita, Kansas
Mull Oil & Gas Co.	Wichita, Kansas
Nathan, J. B.	Wichita, Kansas.
Nemec J.	Chatham, Ont.
Nestoruk, P. D.	Calgary, Alta.
New Metalore Mining Co. Ltd.	Toronto, Ont.
Nichols, L. W.	Sterling, Kansas.
Norgas Development Ltd.	Simcoe, Ont.
Nussbaum, N.	Port Huron, Mich.
O'Brien, R. L.	Pontiac, Mich.
Oestricher, W. C.	Crediton, Ont.
Ontario Natural Gas Storage & Pipelines Ltd.	Chatham, Ont.
Palenkas, P.	St. Thomas, Ont.
Patrick, U. E.	Jackson, Mich.
Pearson, W.	Toronto, Ont.
Pearson, G. R.	Toronto, Ont.
Pence, H. C.	Wichita, Kansas.
Penwa Oils Ltd.	Calgary, Alta.
Peters, W. O.	Jackson, Mich.

TABLE IX — PERSONS LICENSED TO ACQUIRE RIGHTS, 1962 — *Continued*

NAME	ADDRESS
Price, W. H.	Dunnville, Ont.
Prosser, C. A.	Guelph, Ont.
Provincial Gas Co. Ltd.	Toronto, Ont.
Pugh, H. J.	Bronte, Ont.
Rahn, C.	Toronto, Ont.
Railsback, C. W.	Wichita Falls, Texas.
Rawlings, F. S.	Chatham, Ont.
Rawlings, G. H.	Chatham, Ont.
Rayment, O. B.	Chatham, Ont.
Reaume, H.	Chatham, Ont.
Regal Mining & Development Ltd.	Toronto, Ont.
Rhodes, J. G., Jr.	Wichita Falls, Texas.
Riddell, B.	Highland Park 3, Mich.
Riddell, W.	Hagersville, Ont.
Riddell-Hanna Explorations Ltd.	Highland Park 3, Mich.
Roberts and Hessin	Coudersport, Pa.
Robertson, C. P.	Oakville, Ont.
Robinson Road Gas Syndicate	Dunnville, Ont.
Rolin Oil Co.	Bright's Grove, Ont.
Rose, G.	Chatham, Ont.
Rosenblat, R.	Brantford, Ont.
Rosenblat, S.	Downsview, Ont.
Roth, E. A.	Petrolia, Ont.
Roth, E. L.	Petrolia, Ont.
Roth and Roth Ltd.	Petrolia, Ont.
Rowe, E. P.	Bright's Grove, Ont.
Rowe, M. M.	Bright's Grove, Ont.
Ruetz, H.	Kincardine, Ont.
Ryerson, R.	Brantford, Ont.
Sadlier, L.	Chatham, Ont.
Sagadahoc Oil & Gas Corp.	San Francisco 4, Cal.
Seaney, C., and C. Brown	Wichita 2, Kansas.
Sheldon, S. K.	Ingersoll, Ont.
Simpson, R.	Dresden, Ont.
Smith, R.	Evansville, Ind.
Smith, S.	Wichita, Kansas.
Spears, W.	Fergus, Ont.
Stanwell Oil & Gas Ltd.	Toronto, Ont.
Stewart, E.	Jarvis, Ont.
Stork, C.	Wardsville, Ont.
Sullivan, K. M.	Highland Park 3, Mich.
Sutton, O. A.	Wichita, Kansas.
Sylvestre, L. A.	Toronto, Ont.
Texaco Exploration Co.	Calgary, Alta.
Thomas, D. W.	Chatham, Ont.
Thompson, J. A.	Strathroy, Ont.
Thompson, J. W.	Chatham, Ont.
Tirkanits, C.	Toronto, Ont.
Tirkanits, N.	Toronto, Ont.
Tostik, P.	Simcoe, Ont.
Trans Valley Gas and Oil Corp. Ltd.	Chatham, Ont.
Triform Explorations Ltd.	Toronto, Ont.
Union Gas Co. of Canada, Ltd.	Chatham, Ont.
Wallace, B.	Toronto, Ont.
Walker, C. R.	Toronto, Ont.
Walsh, J. F.	Buffalo, N.Y.
Wenger, H. P.	Bloomfield Hills, Mich.
Western Albermont Petroleum	Calgary, Alta.
Western Gypsum Products Ltd.	Winnipeg 2, Man.
Westwood, W.	Dresden, Ont.
Whaling, H.	Wichita Falls, Texas.
White, J. A.	Sarnia, Ont.
Whittall, F.	Windsor, Ont.
Whitty, J.	Toronto, Ont.
Whorton Associates	Wellsville, Pa.
Whorton, C. D.	Wellsville, Pa.
Willits, D.	Wardsville, Ont.
Willie, G.	Thedford, Ont.
Wilton, H.	Chatham, Ont.



TABLE IX — PERSONS LICENSED TO ACQUIRE RIGHTS, 1962 — *Continued*

NAME	ADDRESS
Woods, G.	Dresden, Ont.
Woodstock Oil and Gas Co., The	Wichita, Kansas.
Yuez Gas Co.	Buffalo, N.Y.
Zenith International Petroleum Co.	Oklahoma City, Okla.
Zenmac Metal Mines Ltd.	Toronto, Ont.

TABLE X — ACREAGE ACQUIRED ON LAND, 1962

County	Acreage	County	Acreage
Brant	36,538	Middlesex	41,922
Bruce	28,217	Norfolk	4,807
Elgin	105,344	Oxford	24,887
Essex	37,041	Perth	12,333
Haldimand	14,063	Waterloo	9,762
Haltou	2,400	Welland	13,783
Huron	8,764	Wellington	48,050
Kent	80,442	Wentworth	9,754
Lambton	75,844	Other	500

Grand Total — 554,451

## Drilling

### General

The total completions declined in numbers as compared to 1961, down to 226 from 267. The footage total, however, increased slightly over 1961, a reflection of the greater percentage of deeper tests to Ordovician and Cambrian targets. A complete summary of these completions is given in Table XI by county, township, class and results.

The drilling activity in Lake Erie is summarized in the following table.

Table XII—LAKE ERIE COMPLETIONS, 1962

	Gas	Oil	Dry	Total
Exploratory	5	—	3	8
Development	32	—	7	39
Totals	37	—	10	47

The lake activity was an important portion of the 1962 drilling. Here the rotary-equipped converted lake cargo vessel again had a successful season supplementing the drilling done from the conventional towers and platforms.

TABLE XIII — COMPLETION SUMMARY BY DEPTHS, 1962

## EXPLORATORY TESTS

	Oil	Gas	Dry	Total	Percent Successful
Devonian . . . . .	—	—	14	14	0.0
Silurian . . . . .	—	1	27	28	3.6
—Salina-Guelph . . . . .	—	4	3	7	57.1
—Clinton-Cataract . . . . .	—	—	29	32	9.4
Ordovician-Cambrian . . . . .	3	—	—	—	—
Totals . . . . .	3	5	73	81	9.9

## DEVELOPMENT WELLS

Devonian . . . . .	4	—	4	8	50.0
Silurian . . . . .	2	8	5	15	66.7
—Salina-Guelph . . . . .	—	54	15	69	78.4
—Clinton-Cataract . . . . .	—	—	—	—	—
Ordovician-Cambrian . . . . .	21	3	8	32	75.0
Totals . . . . .	27	65	32	124	74.2

Referring to Table X, the exploratory and development drilling may be further classified by depths, showing success ratios, as in Table XIII.

It should be noted that 31.2% of the completions in Table XIII were Ordovician and Cambrian, compared to 18.4% in 1961 and 21.4% in 1960. This clearly shows the trend to exploration of the deeper formations. The development success ratio was normal at 74%, but the exploratory success ratio was a rather disappointing 10%.

The usual lists of well permit holders and licensed drilling contractors are provided in Tables XIV and XV.

## Exploratory Drilling

The exploratory completions are classified by location in Table XI and by depth in Table XIII. The discoveries are listed in Table XVI, and the more important exploratory dry holes are listed in Table XVII. Both the discoveries and the important dry holes are located by symbol on the fold-out insert map.

Of the eight successful exploratory tests drilled in 1962, the Clearville discovery surpasses all the others in overall significance. At the year's end, 6 additional oil wells had been completed in the pool; the 7 wells at that time averaged about 80 bopd. each.

The other two successful exploratory tests on land were: an important extension of the Gobles field in Burford township, Brant county; and a possibly commercial oil extension of the Innerkip gas pool, also of Cambrian age, in Blanford township in Oxford county.

Five of the year's successful exploratory wells were in Lake Erie. Four of the 5 found new Clinton-Cataract gas pools in the eastern part of the lake, 3 near Long Point and 1 about 6 miles off South Cayuga township in Haldimand county. The fifth found gas in a new area, off Point Pelee in Essex county. Production is from the Guelph formation, and further drilling is necessary to determine the commercial potential of the discovery.

The increased emphasis on Ordovician-Cambrian exploration as revealed by 1962 drilling statistics is being continued in 1963, and indications at the time of writing are that an even higher percentage of the 1963 exploratory activity is aimed at these deeper horizons.

TABLE XIV — HOLDERS OF WELL PERMITS IN 1962

NAME	ADDRESS
Allegany Producing Corp.	Wellsville, N.Y.
Anchor Petroleum Ltd.	Toronto, Ont.
Anthony Gas and Oil Exploration Ltd.	Acton, Ont.
B. G. S. Oil Co.	Toronto, Ont.
Brennan, R. J.	Bradford, Pa.
Brien, J. B., & Associates	Toronto, Ont.
British American Oil Co. Ltd.	Toronto, Ont.
British Petroleum Exploration Canada, Ltd.	London, Ont.
Camerina Petroleum Corp.	Houston, Texas
Campus Gas Syndicate	Fort Erie, Ont.
Canada-Cities Service Petroleum Corp.	Rodney, Ont.
Canadian Delhi Oil Ltd.	London, Ont.
Canadian Essex Oil Co.	Wichita Falls, Texas
Canadian Oil Companies Ltd.	Corunna, Ont.
Christie, Mitchell & Mitchell Co.	Houston 2, Texas
Central Pipe Line Co. Ltd., The	Aylmer, Ont.
Colonial Petroleum Ltd.	Chatham, Ont.
Consolidated West Petroleum Ltd.	Toronto, Ont.
Crabtree, Walter R.	Jackson, Fla.
Dalglish, C.	Glanford, Ont.
DeMers, V.	Petrolia, Ont.
Earl, S.	Kerrwood, Ont.
Eckford & Westwood	Dresden, Ont.
Elgin Petroleum Corp. Ltd.	Rodney, Ont.
El Paso Natural Gas Products Co.	El Paso, Texas
F. & M. Gas & Oil Exploration Co.	Acton, Ont.
Haldimand Gas & Oil Wells Ltd.	Cayuga, Ont.
Ibsen Cobalt Silver Mines Ltd.	Toronto, Ont.
Imperial Oil Ltd.	Chatham, Ont.
Jackson, P. L.	Dunnville, Ont.
Jarvis Hereford Farms	Jarvis, Ont.
Keradec Petroleum Ltd.	Toronto, Ont.
Lincoln Natural Gas Co. Ltd.	Dunnville, Ont.
Long Point Gas & Oil Ltd.	Simcoe, Ont.
Lynwood Securities Corp. Ltd.	Chatham, Ont.
McGaffey, E. R.	Bothwell, Ont.
McKeough, W. S.	Cedar Springs, Ont.
McMaster, R., and Sons Co. Ltd.	Caledonia, Ont.
Midcon Oil & Gas Ltd.	Toronto, Ont.
Mullins, R.	Canfield, Ont.
Mutch, J. O.	Sterling, Mich.
Nemec, Phelan & McClusky	Chatham, Ont.
Nemec and Pinney	Chatham, Ont.
Norbla Oil Co.	Chatham, Ont.
Oliver, T. O.	Toronto, Ont.
Packham, H.	Caistor, Ont.
Petroleum Development Services Inc.	Detroit, Mich.
Phelan & McClusky	Toronto, Ont.
Pinney, E. T.	Detroit Mich.
Place Gas & Oil Co. Ltd.	Toronto, Ont.
Putman, S. J., & Canadian Devonian	Kingsville, Ont.
Richards, T.	Smithville, Ont.
Roberts & Hessin	Coudersport, Pa.
Roberts, Carl	Coudersport, Pa.
Sagadahoc Oil & Gas Corp.	San Francisco, Cal.
Salina Gas & Oil Co.	Chatham, Ont.
Sarcee Petroleum Ltd.	Toronto, Ont.
Smith, Stanley T.	Wichita, Kansas
Starlite Gas Co. Ltd.	Lakeview, Erie County, N.Y.
Sumac Oil & Gas Co.	Wichita, Kansas
Texam Oil Corporation	Dallas, Texas
Tobacco Road Oil Co.	Wellsville, N.Y.
Union Gas Co. of Canada, Ltd.	Chatham, Ont.
United Reef Petroleum Ltd.	Chatham, Ont.
Wakeham Bay Mines Ltd.	Toronto, Ont.
Whitmer, C.	Chatham, Ont.
Whorton Associates	Wellsville, N.Y.
Zaloba, G.	Smithville, Ont.

TABLE XV — OWNERS OF LICENSED DRILLING MACHINES, 1962

NAME	ADDRESS	NO. OF RIGS
Anchor Petroleum Ltd.	Toronto, Ont.	1
Canadian Longyear Ltd.	North Bay, Ont.	1
Central Pipe Line Co. Ltd., The	Chatham, Ont.	1
Chevalier and Tremblay	Chatham, Ont.	2
Corsair Oil and Gas Limited	Port Lambton, Ont.	2
Culver Drilling Co. Ltd.	Dunnville, Ont.	3
Demaray and Nichols	Kerrwood, Ont.	4
DeMers, V.	Petrolia, Ont.	1
Dennis, G. A., and Sons	Selkirk, Ont.	1
Earl, S.	Kerrwood, Ont.	3
English, E., Drilling Co.	Sarnia, Ont.	1
Evans, G.	Glencoe, Ont.	2
Haldimand Gas & Oil Wells Ltd.	Cayuga, Ont.	1
Heath & Sherwood Drilling Ltd.	Kirkland Lake, Ont.	1
Hernandez, E.	Harrow, Ont.	1
Hussey, G. G.	Petrolia, Ont.	1
Irving, D.	Simcoe, Ont.	4
Jackson, P. L.	Dunnville, Ont.	1
James Drilling Ltd.	Sombra, Ont.	1
Jarvis Hereford Farms	Jarvis, Ont.	1
Joy Manufacturing Co.	Galt, Ont.	1
Kiser, W. R.	Chatham, Ont.	2
Locker, W. E.	Vienna, Ont.	1
Lyons, S., and Son	Simcoe, Ont.	1
Mandley Drilling Contractors Ltd.	Dunnville, Ont.	7
Marsh, W.	Bothwell, Ont.	1
McGaffey, E. R.	Bothwell, Ont.	1
McKillop, W., and Sons	Tillsonburg, Ont.	1
McMaster, R., and Sons Co. Ltd.	Caledonia, Ont.	2
McPherson, R. L., Drilling Ltd.	Riverside, Ont.	3
Meier, H. W.	Paincourt, Ont.	3
Merritt, S.	Smithville, Ont.	1
Mohawk Drilling Exploration Co Ltd.	Burlington, Ont.	1
Nauman, J. R.	Fisherville, Ont.	1
Nemec, J.	Chatham, Ont.	1
Northern Offshore Drilling Ltd.	Dunnville, Ont.	1
Patterson, L. O., Drilling Co. Ltd.	Wallaceburg, Ont.	1
Rawlings Drilling Co. Ltd.	Chatham, Ont.	1
Regal Mining & Development Ltd.	Toronto, Ont.	1
Riddell, R.	Ridgeway, Ont.	1
Rose, W.	Port Rowan, Ont.	1
Shaw, W., and Son	Merlin, Ont.	1
Smelser, I.	Jarvis, Ont.	1
Stevenson, E. Morgan, Drilling Co. Ltd.	Thamesville, Ont.	1
Stewart, E.	Jarvis, Ont.	1
Stubble and Stubble	Merlin, Ont.	3
Underwater Gas Developers Ltd.	Toronto, Ont.	1
Union Gas Company of Canada, Ltd.	Chatham, Ont.	8
Union Rotary Drillers of Canada Ltd.	Corunna, Ont.	1
Vokes and Riddell	Hagersville, Ont.	1

TABLE XVI — SUCCESSFUL EXPLORATORY TESTS, 1962

Map Index	Operator	Well Name	Location	Loc. Basis	Compl. Date	Total Depth	Initial Production	Producing Formation	Deepest Formation Penetrated	Expl. Class
A	Tobacco Rd. Oil Co.	N. McColl No. 1	Orford tp. Kent co.	Tech.	Feb. 12	3,963	200 bbl.	Tremp. (U. Camb.)	Cambrian	N.F.W.
B	Wakeham Bay Mines	R. Chesney No. 1	Blandford tp. Oxford co.	Tech.	July 19	2,896	—	Eau Claire (U. Camb.)	Precambrian	Ext.
C	R. McMaster & Sons	DeCoen & Mudge Gobles No. 10	Burford tp. Brant co.	Tech.	Jan. 8	2,894	24 bbl/d.	Eau Claire (U. Camb.)	Precambrian	Ext.
D	El Paso Natural Gas	Lake Erie 03-33	42°-45'-58" N. 79°-41'-29" W.	Tech.	Aug. 26	999	359 Mcf/d.	Clinton-Cataract (L. Sil.)	Cabot Head	Ext.
E	Texam Oil Corp.	Lake Erie 52-1	42°-34'-43" N. 80°-10'-19" W.	Tech.	May 23	1,461	898 Mcf/d.	Clinton-Cataract (L. Sil.)	Queenston	N.P.T.
F	Texam Oil Corp.	Lake Erie 54-2	42°-34'-42" N. 80°-14'-07" W.	Tech.	June 23	1,448	427 Mcf/d.	Clinton-Cataract (L. Sil.)	Queenston	N.P.T.
G	Christie, Mitchell and Mitchell	Lake Erie 78-1	42°-34'-24" N. 80°-24'-16" W.	Tech.	Oct. 5	1,454	17 Mcf/d.	Clinton-Cataract (L. Sil.)	Queenston	N.P.T.
H	Crabtree-Place	Lake Erie Crabtree-Place No. 1	41°-50'-48" N. 82°-26'-20" W.	Tech.	Aug. 25	1,067	60 Mcf/d.	Guelph (M. Sil.)	Guelph.	F.W.N.

N.F.W. — New field well.

Ext. — Extension.

N.P.T. — New pool test.

N.F.W. — New field wildcat.

TABLE XVII — IMPORTANT DRY EXPLORATORY TESTS, 1962

Map Index	Operator	Well Name	Well Location	Expl. Class	Loc. Basis	Compl. Date	Total Depth Feet	Deepest Formation Penetrated
1	S. J. Putman & Can. Devonian	E. Matschulat	Gosfield S. tp. Essex co.	D.P.T.	Tech.	July 17	3,210	Precambrian
2	Imperial Oil Limited	K. Lawton No. 1	Harwich tp. Kent co.	N.F.W.	Tech.	June 14	3,970	Precambrian
3	Imperial Oil Limited	A. Prokopchuck No. 1	Zone tp. Kent co.	N.F.W.	Tech.	Oct. 19	3,987	Precambrian
4	Canadian Delhi Oil	W. J. Walker No. 1	Dereham tp. Oxford co.	N.F.W.	Tech.	July 9	3,330	Precambrian
5	Imperial Oil Ltd.	C. G. Horvath No. 1	E. Oxford tp. Oxford co.	N.F.W.	Tech.	Jan. 9	3,051	Precambrian
6	Canadian Delhi Oil	W. L. Lowes No. 1	W. Oxford tp. Oxford co.	N.F.W.	Tech.	April 24	3,260	Precambrian
7	Stanley J. Smith	John Sutton No. 1	N. Norwich tp. Oxford co.	N.F.W.	Tech.	Oct. 1	3,168	Precambrian
8	Sumac Oil & Gas	Tibor Takacs No. 1	Burford tp. Brant co.	N.P.W.	Tech.	Sept. 6	2,802	Precambrian
9	Canadian Delhi	Indian Reserve R. Isaacs No. 1	Tuscarora tp. Brant co.	D.P.T.	Tech.	Nov. 22	2,782	Precambrian
10	Canadian Essex Oil	D. Alblas No. 1	Onondaga tp. Brant co.	N.F.W.	Tech.	Dec. 6	2,594	Precambrian
11	Petrol Oil & Gas	Indian Reserve K. Hess No. 1	Tuscarora tp. Brant co.	N.F.W.	Tech.	Feb. 6	2,914	Precambrian
12	Imperial Oil Ltd.	D. MacCuaig No. 1	Kenyon tp. Glengarry co.	N.F.W.	Tech.	July 23	2,272	Potsdam (U. Camb.)

D.P.T. — Deep pool test.

N.F.W. — New field wildcat.

N.P.W. — New pool wildcat.

## Development Drilling

The 124 development completions were widely distributed as indicated in Table X; 39 were in Lake Erie and the balance on land. The total footage was slightly over 193,000, an average of about 1560 feet per well. As in the case of exploratory wells, the trend was to more Silurian and deeper tests, the Devonian being neglected. Some comments by depth class are as follows,

**Devonian**—Only eight completions to these shallow horizons were made: a big decrease from previous years. The four oil wells were fill-in locations in the Petrolia field for secondary recovery by a water-flood program.

**Silurian** (Salina-Guelph)—In this class also, the number of completions was much less than in previous years. All 15 were in the 5 southwestern counties. One of the 7 gas wells had an open flow in excess of 10 MMcf/day; it is a reef well in Enniskillen township. The two oil wells, one in the Dawn field and the other in the Corunna pool, had initial flows of 125 and 75 barrels respectively.

**Silurian** (Clinton-Cataract)—Production from these formations is all in the Norfolk-Haldimand-Welland area. About half of the 69 development completions were in Lake Erie; and the 29 of these which found gas added appreciably to the reserves in the lake. Plans for the year 1963 include the drilling of additional development wells in the offshore pools of the Haldimand and Norfolk fields.

**Ordovician**—There were eight development wells in the Trenton-Black River pools in 1962: four oil wells were in the Malden pool and one dry hole in the Kingsville pool, both in Essex county; two gas wells and a dry hole were obtained in the Acton pool in Halton county.

**Cambrian**—The total of 24 development completions in this depth class was a big increase over the 15 in 1961—17 oil wells, one gas well and 6 dry holes. Fifteen of the 24 wells were in the Gobles field, 7 were in the Clearville field, and one each were in the Innerkip and Shanks pools. As a result of such drilling, Cambrian oil production in 1962 accounted for nearly 20% of the Province's total. We trust that current Cambrian development and exploratory activity will increase this percentage materially.

TABLE XI — SUMMARY OF WELL COMPLETIONS, 1962

COUNTY — TOWNSHIP	EXPLORATORY					DEVELOPMENT					OTHER		
	Gas	Oil	Dry	Total	Footage	Gas	Oil	Dry	Total	Footage	No.	Type	Footage
<b>BRANT</b>													
Burford		1	3	4	11,402	1	7	3	11	31,928			
Onondaga			1	1	2,594								
Tuscarora			2	2	5,696								
<b>ELGIN</b>													
Aldborough			5	5	6,138						9	8W.I. 1D.	4,130
Bayham			1	1	1,507	1		1	2	2,718			
Dunwich			1	1	610						2	C.T.	825
Lake Erie			1	1	1,521								
<b>ESSEX</b>													
Gosfield S.			3	3	8,518			1	1	2,716			
Malden			2	2	5,325		4		4	9,926			
<b>GLENGARRY</b>													
Kenyon			1	1	2,272								
<b>HALDIMAND</b>													
Cayuga, N.						5		1	6	4,997			
Lake Erie	1			1	999	26		2	28	29,237			
Moulton						2			2	1,468			
Rainham						1			1	845			
Seneca						1			1	560			
Walpole						2		1	3	2,695			
<b>HALTON</b>													
Esquesing			1	1	2,601	2		1	3	5,525			
<b>HURON</b>													
Stephen			2	2	3,668								
Tuckersmith			2	2	3,501								
Usborne			1	1	1,682								
<b>KENT</b>													
Camden								1	1	1,630			
Chatham			1	1	3,741								
Dover			1	1	3,797								
Harwich			1	1	3,970								
Lake Erie	1		2	3	3,277	3		2	5	6,938			
Orford		1	2	3	6,676		6	1	7	27,846			
Raleigh			1	1	300								
Romney								1	1	3,609			
Zone			2	2	7,978								
<b>LAMBTON</b>													
Bosanquet											2	S.T.	790
Dawn			3	3	4,621	1	1	2	4	6,215			
Enniskillen			2	2	4,084	1	4	2	7	6,696	2	C.T.	845
Euphemia			2	2	3,990								
Moore			3	3	6,652		1		1	2,561	3	S.T. C.T. D.	1,739
Plympton			2	2	4,749						1	C.T.	535
Sarnia											1	C.T.	461
Sombra			5	5	10,790			1	1	1,974			
Warwick			1	1	2,345						1	W.S.	721
<b>LINCOLN</b>													
Caistor						1			1	342			
Gainsborough								1	1	447			
Grimsby, S.						1			1	325			
<b>MIDDLESEX</b>													
Adelaide			2	2	663								
Ekfrid			2	2	848								
McGillivray			1	1	1,845								
Metcalfe			1	1	1,695			2	2	785			
Mosa						2			2	3,128			
Westminster			2	2	679								
<b>NORFOLK</b>													
Charlotteville						4			4	5,292			
Lake Erie	3			3	4,363	3		2	5	6,431			
Walsingham, S.						1			1	1,370			
Windham						2			2	2,021			
Woodhouse			1	1	1,120			1	1	1,087			
<b>OXFORD</b>													
Blandford		1	1	2	5,880		1		1	2,911			
Blenheim							3	1	4	11,666			
Dereham			1	1	3,330								
Norwich, N.			1	1	3,168								
Oxford, E.			1	1	3,051								
Oxford, W.			2	2	6,591								
<b>PEEL</b>													
Chinguacousy			1	1	1,954								
<b>WELLAND</b>													
Bertie						1			1	800			
Lake Erie								1	1	1,002			
Wainfleet						4		2	6	4,541			
Willoughby								1	1	570			
<b>WENTWORTH</b>													
Beverly			3	3	7,176								
Glanford								1	1	460			
<b>TOTALS</b>	<b>5</b>	<b>3</b>	<b>73</b>	<b>81</b>	<b>167,367</b>	<b>65</b>	<b>27</b>	<b>32</b>	<b>124</b>	<b>193,262</b>	<b>21</b>		<b>10,046</b>

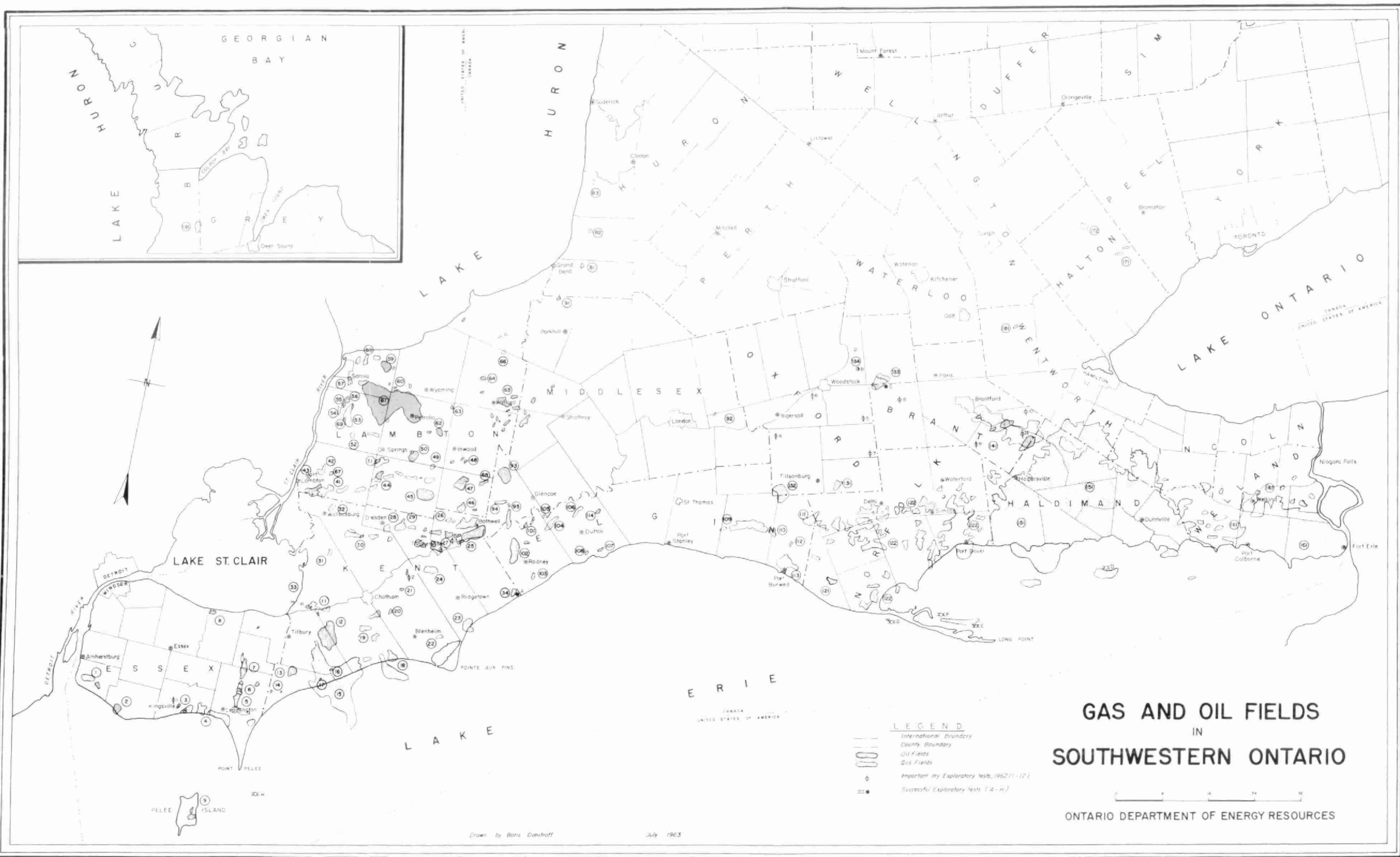
S.T. — Stratigraphic Test

 GRAND TOTAL — 226 Completions — 370,675 feet  
 W.I. — Water Injection      D. — Disposal  
 W.S. — Water Source

C.T. — Core Test

W.D.B. — B.D.





Drawn by Boris Dutschoff

July 1963

## Index of Gas and Oil Fields

### ESSEX COUNTY

- 1 Malden (Gas, Oil)
- 2 Colchester South (Oil)
- 3 Kingsville (Oil)
- 4 Kingsville — Leamington (Gas)
- 5 Mersea (Oil, Gas)
- 6 Staples (Oil, Gas)
- 7 Comber (Oil, Gas)
- 8 Belle River (Oil)
- 9 Pelee Island (Oil)

### KENT COUNTY

- 11 Dover (Gas, Oil)
- 12 Fletcher (Oil)
- 13 Romney (Oil)
- 14 Wheatley (Gas, Oil)
- 15 Tilbury (Gas)
- 16 Glenwood (Oil)
- 17 Stevenson (Oil)
- 18 D'Clute (Gas)
- 19 Doyle (Gas)
- 20 Richardson's Siding (Oil)
- 21 Wolfe (Gas)
- 22 Guilds (Gas)
- 23 Morpeth (Gas)
- 24 Botany (Gas)
- 25 Bothwell — Thamesville (Oil)
- 26 Zone (Gas)
- 27 Wabash (Gas, Oil)
- 28 Dresden (Gas)
- 29 Camden Gore (Gas)
- 30 Chatham (Gas, Oil)
- 31 Electric (Gas)
- 32 Chatham Gore (Gas)
- 33 Lake St. Clair (Gas)
- 34 Clearville (Oil)

### LAMBTON COUNTY

- 41 Becher, East and West (Gas, Oil)
- 42 Sombra (Gas)
- 43 Bickford (Gas)
- 44 Dawn (Gas, Oil)
- 45 Oakdale (Oil)
- 46 Dante (Oil)
- 47 Shetland (Oil, Gas)
- 48 Innwood (Oil)
- 49 Dawn 167 (Gas)
- 50 Oil Springs (Oil)
- 51 Dawn 156 (Gas, Oil)
- 52 Waubuno (Gas)
- 53 Kimball — Colville (Gas, Oil)
- 54 Payne (Gas)
- 55 Seckerton (Gas, Oil)
- 56 Corunna (Gas, Oil)
- 57 Talford (Gas, Oil)
- 58 Sarnia (Gas)
- 59 Plympton — Sarnia (Gas, Oil)
- 60 Mandaumin (Gas)
- 61 Petrolia (Gas, Oil)
- 62 Wilson Croft (Oil)
- 63 Wanstead (Oil)

- 64 Warwick (Oil)
- 65 Watford (Oil)
- 66 Kiser's Corners (Gas)
- 67 Duthill (Gas)
- 68 McCready (Oil)
- 69 Mooretown (Oil)

### HURON COUNTY

- 81 Dashwood (Gas)
- 82 Zurich (Gas)
- 83 Bayfield (Gas)

### MIDDLESEX COUNTY

- 91 Grand Bend (Oil)
- 92 Crumlin (Gas)
- 93 Glencoe (Oil)
- 94 Newberry (Gas)
- 95 Wardsville (Gas)

### ELGIN COUNTY

- 101 Crinan (Gas, Oil)
- 102 Rodney (Oil)
- 103 New Glasgow (Gas)
- 104 Woodgreen (Gas)
- 105 Townline (Gas)
- 106 Cowal (Gas)
- 107 Wallacetown (Oil)
- 108 Tycronnell (Gas)
- 109 Malahide (Gas)
- 110 Richmond (Gas)
- 111 Eden (Gas)
- 112 Griffin (Gas)
- 113 Vienna (Gas)
- 114 Dutton (Oil)

### NORFOLK COUNTY

- 121 Cultus (Gas)
- 122 Norfolk (Gas)

### OXFORD COUNTY

- 131 Norwich South (Gas)
- 132 Brownsville (Gas)
- 133 Gobles (Gas, Oil)
- 134 Innerkip (Gas)

### BRANT COUNTY

- 141 Haldimand (Gas, Oil)

### HALDIMAND COUNTY

- 151 Haldimand (Gas)

### WELLAND COUNTY

- 161 Welland (Gas)

### HALTON COUNTY

- 171 Hornby (Gas)
- 172 Acton (Gas, Oil)

### WENTWORTH COUNTY

- 181 Rockton (Gas)

### BRUCE COUNTY

- 191 Hepworth (Gas)

# Section 4—Logs of Wells for 1962

## Introduction

The following tabulation of geological logs lists all wells drilled for oil and gas in Ontario in 1962. It includes those wells for such associated purposes as injection programs, structure tests, gas storage, etc.

It should be noted that lake well locations are described by co-ordinates given in terms of latitude and longitude.

Copies of these logs showing more detail are available from the Department at 25c each.

## Abbreviations

bbl/d.	Barrels per day
B.F.	Broken Front
con.	Concession
c/l.	Centre line of lot
F.G.R.	From Grand River
H.R.F.	Huron Road Front
L.E.	Lake Erie
Mcf/d.	Thousand cubic feet per day
N.E.R.	North of the Egremont Road
N.M.R.	North of the Middle Road
N.R.	Not recorded
N.R.S.	Niagara River Survey
N.T.	Not tested
N.T.R.	North of the Talbot Road
N.T.R.W.	North Talbot Road West
//	Parallel
psig.	Pounds per square inch gauge
R.R.	Railroad
R.R.	River Range
R.T.S.	River Thames Survey
SE.	Southeast
S.E.R.	South of the Egremont Road
S.S.C.R.	South of Stoney Creek Road
S.R.T.	South of the Talbot Road
SW.	Southwest
tp.	Township
W.D.F.C.	Western Division or Front Concession
WHP.	Well head pressure

# Geological Logs

## BRANT

### SYDNEY EARL No. 5

Burford tp., lot 11, con. II.

Co-ordinates: 1,707' S., 543' E.

Elevation: 891' + 3'.

Driller: S. Earl.

Completed: June 14, 1962.

Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	3	162
Salina	165	189
Salt beds—nil		
Top of A2—294		
Top of A1—338		
Guelph-Lockport	354	329
Rochester	683	69
Irondequoit	752	6
Reynales	758	17
Cabot Head	775	44
Manitoulin	819	33
Queenston	852	488
Meaford-Dundas	1,340	620
Collingwood	1,960	170
Cobourg	2,130	192
Sherman Fall	2,322	143
Kirkfield	2,465	153
Gull River	2,618	227
Shadow Lake	2,845	5
Cambrian	2,850	8
Precambrian	2,858	2
Total Depth:		2,860'.

Geologist: B. V. Sanford.

Water	Oil
Fresh at 161'	Show at 2,852' to 2,853'
Sulphur at 300'.	

### IMPERIAL OIL No. 780

Burford tp., lot 22, con. I.

Co-ordinates: 580' N. of c/1., 480' E.

Elevation: 941' + 4'.

Driller: W. Shaw.

Completed: March 23, 1962.

Result: Oil Producer.

Reported Flow: 32 bbl/d.

Formation	Top	Thickness
Drift	4	108
Salina	112	367
Salt beds—nil		
Top of A2—410		
Top of A1—		
Guelph-Lockport	479	321
Rochester	800	45
Irondequoit and Reynales	845	15
Cabot Head	860	60
Manitoulin	920	30
Queenston	950	450
Meaford-Dundas and Collingwood	1,400	788
Cobourg	2,188	136
Sherman Fall	2,324	206
Kirkfield	2,530	153
Gull River	2,683	238
Shadow Lake	2,921	5
Cambrian	2,926	16
Arkose	2,942	2
Precambrian	2,944	10
Total Depth:		2,954'.

Geologist: J. A. Pounder.

Water	Oil
Fresh at 60' and 108'	At 2,926 to 2,942

### IMPERIAL OIL No. 807

Burford tp., lot 19, con. I

Co-ordinates: 486' S., 660' W.

Elevation: 921' + 4'.

Driller: Chevalier & Tremblay.

Completed: March 22, 1962.

Result: Oil Producer.

Reported Flow: 40 bbl/d.

Formation	Top	Thickness
Drift	4	156
Salina	160	257
Salt beds—nil		
Top of A2—354		
Top of A1—396		
Guelph-Lockport	417	341
Rochester	758	46
Irondequoit	804	8
Reynales	812	13
Thorold	825	8
Cabot Head	833	46
Manitoulin	879	21
Whirlpool	900	8
Queenston	908	444
Meaford-Dundas	1,352	627
Collingwood	1,979	175
Trenton	2,154	478
Black River	2,632	243
Eau Claire	2,875	19
Precambrian	2,894	17
Total Depth:		2,911'.

Geologist: B. V. Sanford.

Water	Oil
Fresh at 90' and 180'	At 2,878' to 2,893'
Brackish at 425'.	

### IMPERIAL OIL No. 816

Burford tp., lot 22, con. I.

Co-ordinates: 1,773' N., 486' W.

Elevation: 945' + 4'.

Driller: W. G. Kiser and Son.

Completed: July 12, 1962.

Result: Oil Producer.

Reported Flow: 18 bbl/d.

Formation	Top	Thickness
Drift	4	118
Salina	122	358
Salt beds—nil		
Top of A2—415		
Guelph-Lockport	480	335
Rochester	815	46
Irondequoit	861	5
Reynales	866	7
Thorold	873	6
Cabot Head	879	56
Manitoulin	935	23
Whirlpool	958	4
Queenston	962	488
Meaford-Dundas and Collingwood	1,450	736
Trenton	2,186	494
Black River	2,680	250
Cambrian	2,930	15
Arkose	2,945	3
Precambrian	2,948	4
Total Depth:		2,952'.

Geologist: B. V. Sanford and J. A. Pounder.

Water	Oil
Fresh at 170'	At 2,930' to 2,945'.

## Brant County—Continued

## IMPERIAL OIL No. 821

Burford tp., lot 22, con. I.

Co-ordinates: 541' N. along west lot line., 482' E.  
Elevation: 950' + 4'.  
Driller: W. G. Kiser & Son.  
Completed: September 13, 1962.  
Result: Gas Producer.  
Reported Flow: 147 Mcf/d. WHP: 540 psig.

Formation	Top	Thickness
Drift	4	123
Salina	127	368
Guelph-Lockport	495	316
Rochester	811	44
Irondequoit	855	21
Cabot Head	876	56
Manitoulin	932	31
Queenston	963	450
Meaford-Dundas and Collingwood	1,413	790
Cobourg	2,203	493
Coboconk	2,696	234
Shadow Lake	2,930	4
Cambrian	2,934	14
Arkose	2,948	1
Precambrian	2,949	4
Total Depth:		2,953'

Geologist: G. Peterson.

Water	Gas
Fresh at 63'.	At 2,945' to 2,948'.

## McMASTER-GOBLES No. 9

Burford tp., lot 20, con. I.

Co-ordinates: 600' S., 550' W.  
Elevation: 924' + 4'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: March 19, 1962.  
Result: Oil Producer.  
Reported Flow: 36 bbl/d.

Formation	Top	Thickness
Drift	4	176
Salina	180	233
Salt beds—nil		
Top of A2—374		
Guelph-Lockport	413	356
Rochester	769	45
Reynales	814	17
Thorold	831	2
Cabot Head	833	40
Manitoulin	873	39
Whirlpool	912	8
Queenston	920	458
Meaford-Dundas and Collingwood	1,378	780
Trenton	2,158	497
Black River	2,655	235
Eau Claire	2,890	23
Total Depth:		2,913'

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 45', 155', 169' and 245'.	Show at 2,894'.	Show at 2,890' to 2,892'. At 2,895' to 2,910'.

## IMPERIAL OIL No. 824.

Burford tp., lot 23, con. I.

Co-ordinates: 1,775' S. along west lot line, 426' E.  
Elevation: 953' + 4'.  
Driller: Chevalier and Tremblay.  
Completed: September 18, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	122
Salina	126	372
Salt beds—nil		
Top of A2—429		
Guelph-Lockport	498	323
Rochester	821	45
Irondequoit	866	6
Reynales	872	13
Thorold	885	8
Dyer Bay	893	7
Cabot Head	900	25
Manitoulin	925	45
Whirlpool	970	5
Queenston	975	457
Meaford-Dundas and Collingwood	1,432	824
Trenton	2,256	438
Black River	2,694	242
Eau Claire	2,936	21
Precambrian	2,957	8
Total Depth:		2,965'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 75' and 450'.	Show at 2,937' to 2,952'.

## McMASTER-GOBLES No. 10

Burford tp., lot 17, con. I.

Co-ordinates: 490' N., 540' E.  
Elevation: 903' + 3'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: January 8, 1962.  
Result: Oil Producer.  
Reported Flow: 50 bbl/d.

Formation	Top	Thickness
Drift	3	121
Salina	124	253
Salt beds—nil		
Top of A2—312		
Top of A1—nil		
Guelph-Lockport	377	355
Rochester	732	60
Reynales	792	11
Thorold	803	7
Cabot Head	810	55
Manitoulin	865	28
Queenston	893	687
Meaford-Dundas	1,580	390
Collingwood	1,970	180
Trenton	2,150	496
Black River	2,646	224
Eau Claire	2,870	24
Total Depth:		2,894'

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 80', 97', 364' and 368'.	At 292' to 302'	At 2,881 to 2,893'.

**McMASTER-GOBLES No. 11**  
Burford tp., lot 15, con. I.

Co-ordinates: 460' N., 400' E.  
Elevation: 865' + 3'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: March 12, 1962.  
Result: Oil show, abandoned.  
Reported Flow: 3.5 bbl/d.

Formation	Top	Thickness
Drift	3	97
Salina	100	216
Salt beds—nil		
Top of A2—268		
Guelph-Lockport	316	369
Rochester	685	57
Reynales	742	19
Cabot Head	761	51
Manitoulin	812	23
Queenston	835	502
Meaford-Dundas and Collingwood	1,337	782
Trenton	2,119	487
Black River	2,606	220
Eau Claire	2,826	16
Precambrian	2,842	3
Total Depth:		2,845'

Geologist: B. V. Sanford.

Water	Oil
Fresh at 10', 91', 107', 128' and 140'.	Show at 122'. At 2,833' to 2,840'.

**McMASTER-GOBLES No. 12**  
Burford tp., lot 14, con. II.

Co-ordinates: 1,750' S., 330' E.  
Elevation:  
Driller: R. McMaster & Sons Co., Ltd.,  
Completed: March, 1963.  
Result: Suspended in surface.

**McMASTER-GOBLES No. 14**  
Burford tp., lot 23, con. I.

Co-ordinates: 645' S., 473' W.  
Elevation: 937' + 4'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: July 21, 1962.  
Result: Oil Producer:  
Reported Flow: 24 bbl/d.

Formation	Top	Thickness
Drift	4	113
Salina	117	375
Salt beds—nil		
Top of A2—420		
Guelph-Lockport	492	298
Rochester	790	59
Reynales	849	9
Cabot Head	858	41
Manitoulin	899	54
Whirlpool	953	2
Queenston	955	455
Meaford-Dundas and Collingwood	1,410	762
Trenton	2,172	501
Black River	2,673	247
Eau Claire	2,920	14
Total Depth:		2,934'

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 100' and 172'.	Show at 2,926'. 2,932'.	At 2,915' to 2,932'.

**McMASTER-GOBLES No. 15**  
Burford tp., lot 21, con. I.

Co-ordinates: 1,741' S., 463' E.  
Elevation: 931' + 4'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: September 7, 1962.  
Result: Oil Producer.  
Reported Flow: 12 bbl/d.

Formation	Top	Thickness
Drift	4	194
Salina	198	247
Salt beds—nil		
Top of A2—380		
Guelph-Lockport	445	333
Rochester	778	45
Irondequoit	823	15
Reynales	838	16
Thorold	854	12
Cabot Head	866	37
Manitoulin	903	23
Whirlpool	926	6
Queenston	932	453
Meaford-Dundas and Collingwood	1,385	767
Trenton	2,152	486
Black River	2,638	273
Eau Claire	2,911	18
Precambrian	2,929	2
Total Depth:		2,931'

Geologist: B. V. Sanford.

Water	Oil
Fresh at 105', 120' and 138'.	At 2,914' to 2,930'.

**McMASTER-GOBLES No. 16**  
Burford tp., lot 20, con. I.

Co-ordinates: 1,750' S., 500' E.  
Elevation: 927' + 3'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: November 3, 1962.  
Result: Oil Producer.  
Reported Flow: 26 bbl/d.

Formation	Top	Thickness
Drift	3	167
Salina	170	265
Salt beds—nil		
Top of A2—368		
Guelph-Lockport	435	339
Rochester	774	44
Irondequoit	818	10
Reynales	828	12
Thorold	840	2
Cabot Head	842	55
Manitoulin	897	24
Whirlpool	921	7
Queenston	928	472
Meaford-Dundas and Collingwood	1,400	768
Trenton	2,168	491
Black River	2,659	240
Eau Claire	2,899	21*
Precambrian	2,920	1
Total Depth:		2,921'

Geologist: B. V. Sanford & Driller's Log\*

Water	Oil
Fresh at 165'.	At 2,905' to 2,920'.

## Brant County—Continued

## McMASTER-GOBLES No. 17

Burford tp., lot 19, con. I.

Co-ordinates: 1,770' N., 410' W.  
 Elevation: 909' + 3'.  
 Driller: R. McMaster & Sons Co., Ltd.  
 Completed: December 20, 1962.  
 Result: Gas and oil show.

Formation	Top	Thickness
Drift	3	132
Salina	135	260
Salt beds—nil		
Top of A2—332		
Top of A1—380		
Guelph-Lockport	395	350
Rochester	745	52
Irondequoit	797	4
Reynales	801	13
Cabot Head	814	56
Manitoulin	870	24
Whirlpool	894	8
Queenston	902	458
Meaford-Dundas and Collingwood	1,360	791
Trenton	2,151	474
Black River	2,625	248
Eau Claire	2,873	19
Precambrian	2,892	6
Total Depth:		2,898'

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 59'.	Show at 2,877' to 2,892'.	Show at 2,877' to 2,892'.

## SUMAC OIL &amp; GAS No. 5

Burford tp., lot 18, con. II.

Co-ordinates: 500' S., 500' W.  
 Elevation: 904' + 4'.  
 Driller: R. McMaster & Sons Co., Ltd.  
 Completed: October 24, 1962.  
 Result: Oil show, abandoned, left as water well.  
 Reported Flow: 3 bbl/d.

Formation	Top	Thickness
Drift	4	136
Salina	140	240
Salt beds—nil		
Top of A2—320		
Top of A1—370		
Guelph-Lockport	380	362
Rochester	742	56
Irondequoit	798	5
Reynales	803	11
Thorold	814	10
Cabot Head	824	48
Manitoulin	872	24
Queenston	896	459
Meaford-Dundas and Collingwood	1,355	780
Trenton	2,135	487
Black River	2,622	257
Cambrian	2,879	13
Eau Claire	2,892	2
Total Depth:		2,894'

Geologist: B. V. Sanford.

Water	Oil
Fresh at 137' and 172'.	At 2,879' to 2,892'.

## SUMAC OIL &amp; GAS No. 4

Burford tp., lot 8, con. IV.

Co-ordinates: 1,710' S., 509' E.  
 Elevation: 853' + 4'.  
 Driller: R. McMaster & Sons Co., Ltd.  
 Completed: September 6, 1962.  
 Result: Oil show, abandoned, left as water well.

Formation	Top	Thickness
Drift	4	113
Salina	117	183
Salt beds—nil		
Top of A2—243		
Top of A1—289		
Guelph-Lockport	300	358
Rochester	658	44
Irondequoit	702	10
Reynales	712	8
Cabot Head	720	53
Manitoulin	773	32
Queenston	805	469
Meaford-Dundas and Collingwood	1,274	802
Trenton	2,076	474
Black River	2,550	240
Eau Claire	2,790	7
Precambrian	2,797	5
Total Depth:		2,802'

Geologist: B. V. Sanford.

Water	Oil
Fresh at 115', 215' and 300'.	At 2,797' to 2,798'.

## CANADIAN ESSEX No. 5

Onondaga tp., lot 22, con. II.

Co-ordinates: 2,800' S. of Rd., 500' W.  
 Elevation: 672' + 1'.  
 Driller: G. Culver.  
 Completed: December 6, 1962.  
 Result: Gas and oil show, abandoned.  
 Reported Flow: 12 Mcf/d.

Formation	Top	Thickness
Drift	1	69
Guelph-Lockport	70	230
Rochester	300	40
Irondequoit	340	10
Reynales	350	10
Thorold	360	13
Grimsby	373	17
Cabot Head	390	33
Manitoulin	423	27
Whirlpool	450	7
Queenston	457	608
Meaford-Dundas and Collingwood	1,065	837
Trenton	1,902	463
Black River	2,365	220
Eau Claire	2,585	6
Precambrian	2,591	3
Total Depth:		2,594'

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 65'.	At 341' to 342'.	Show at 2,590'.
Sulphur at 100' and 119'.	345' to 346'.	
Salt at 378' and 2,590'.	455' to 465'.	

CANADIAN DELHI No. 20—ISAACS No. 1

Tuscarora tp., lot 7, con. B.F.

Co-ordinates: 650' S. of River Rd., 320' W.

Elevation: 699' + 3'.

Driller: Chevalier and Tremblay Drilling Co., Ltd.

Completed: November 22, 1962.

Result: Gas and oil show, abandoned.

Reported Flow: 4 Mcf/d. 1 bbl/d. WHP. N.T. psig.

Formation	Top	Thickness
Drift	3	50
Salina	53	104
Salt beds—nil		
Top of A2— 95		
Top of A1—138		
Guelph-Lockport	157	241
Rochester	398	50
Irondequoit	448	8
Reynales	456	6
Thorold	462	18
Grimsby	480	10
Cabot Head	490	35
Manitoulin	525	30
Whirlpool	555	15
Queenston	570	585
Meaford-Dundas	1,155	715
Collingwood	1,870	171
Cobourg	2,041	181
Sherman Fall	2,222	105
Kirkfield	2,327	167
Cobocok	2,494	74
Gull River	2,568	147
Shadow Lake	2,715	3
Eau Claire	2,718	62
Precambrian	2,780	2
Total Depth:		2,782'.

Geologist: B. V. Sanford and W. F. Glover.

Water	Gas	Oil
Brackish and	At 450' to 460'.	At 2,726' to
Sulphur at 82'.		2,741'.
Salt at 2,740'.		

PETROL OIL & GAS—DEEP No. 1—HESS No. 1

Tuscarora tp., lot 24, con. II.

Co-ordinates: 1,800' N., 720' E.

Elevation: 707' + 4'.

Driller: H. W. Meier.

Completed: February 6, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	70
Salina	74	176
Guelph-Lockport	250	273
Rochester	523	49
Irondequoit	572	8
Reynales	580	11
Thorold	591	19
Cabot Head	610	52
Manitoulin	662	26
Queenston	688	608
Meaford-Dundas	1,296	600
Collingwood	1,896	228
Trenton	2,124	461
Black River	2,585	232
Trempealeau	2,817	23
Eau Claire	2,840	35
Precambrian	2,875	39
Total Depth:		2,914'.

Geologist: B.V. Sanford.

Water
Fresh at 74'.
Salt at 290', and 2,875'.

ELGIN

B.G.S. OIL CO. No. 1

Aldborough tp., lot C, con. VII.

Co-ordinates: 500' N. of R. R., 500' E.

Elevation: 712' + 1'.

Driller: Mandley Drilling Contractors Ltd.

Completed: May 2, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	302
Dundee	303	157
Columbus	460	21
Detroit River	481	19
Total Depth:		500'.

Geologist: B. V. Sanford.

Water

Fresh at 8' and 222'.

Sulphur at 308'.

Salt at 487'.

CANADA-CITIES SERVICE No. 9

Aldborough tp., lot 5, con. V.

Co-ordinates: 5' N., 505' E.

Elevation: 692' + 1'.

Driller: Demaray & Nichols.

Completed: March 23, 1962.

Result: Water Injection Well.

Formation	Top	Thickness
Drift	1	241
Dundee	242	146
Columbus	388	17
Detroit River	405	5
Total Depth:		410'.

Geologist: Driller's Log.

Water

Fresh at 232'.

Sulphur at 262'.

Oil

Show at 388' to 405'.

CANADA-CITIES SERVICE No. 10

Aldborough tp., lot 5, con. V.

Co-ordinates: 988' S., 935' E.

Elevation: 660' + 1'.

Driller: Demaray & Nichols.

Completed: April 24, 1962.

Result: Salt Water Disposal Well.

Formation	Top	Thickness
Drift	1	209
Dundee	210	122
Columbus	332	20
Detroit River	352	196
Bois Blanc	548	168
Total Depth:		716'.

Geologist: B. V. Sanford.

Water

Fresh at 177'.

Sulphur at 275' and 495'.

Oil

Show at 335' to 355'.



## Elgin County—Continued

## ELGIN PETROLEUM No. 36

Aldborough tp., lot 4, con. V.

Co-ordinates: 1,842' N., 1,790' W.

Elevation: 690' + 1'.

Driller: Demaray &amp; Nichols.

Completed: February 5, 1962.

Result: Water Injection Well.

Formation	Top	Thickness
Drift	1	284
Dundee	285	147
Columbus	432	18
Total Depth:	450'	

Geologist: A. E. MacKay.

Water	Oil
Fresh at 160' and 250'.	Show at 414' to 425'.

NOTE:—The above log may be considered to be the representative of a group of six water injection wells drilled, during the year 1962, on the same lot.

## ELGIN PETROLEUM No. 41

Aldborough tp., lot 5, con. V.

Co-ordinates: 28' S., 530' E.

Elevation: 686' + 1'.

Driller: Demaray &amp; Nichols.

Completed: March 30, 1962.

Result: Water Injection Well.

Formation	Top	Thickness
Drift	1	243
Dundee	244	127
Columbus	371	18
Total Depth:	389'	

Geologist: A. E. MacKay.

Water	Oil
Fresh at 160'.	Show at 335' to 341' and 371'.

## IMPERIAL OIL No. 820

Aldborough tp., lot 12, con. XII.

Co-ordinates: 500' N., 500' E.

Elevation: 665' + 4'.

Driller: Chevalier and Tremblay.

Completed: December 7, 1962.

Result: Gas and oil show, abandoned.

Formation	Top	Thickness
Drift	4	250
Hamilton	254	133
Dundee	387	150
Columbus	537	23
Detroit River	560	148
Bois Blanc	708	207
Bass Island	915	150
Salina	1,065	519
Salt beds		

From	To
1,296.	1,462
Top of A2—1,462	
Top of A1—1,540	

Guelph-Lockport	1,584	270
Rochester	1,854	46
Reynales	1,900	1
Grimsby	1,901	23
Cabot Head	1,924	91
Manitoulin	2,015	23
Queenston	2,038	377
Meaford-Dundas and Collingwood	2,415	631
Trenton	3,046	475
Black River	3,521	387
Trempealeau	3,908	64
Eau Claire	3,972	28
Mount Simon	4,000	21
Precambrian	4,021	9
Total Depth:	4,030'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Sulphur at 576'.	Show at 1,600'.	Show at 3,961'.
Salt at 1,600', 1,920', 3,929', and 3,987'.		

## J. O. Mutch No. 1

Aldborough tp., lot D, con. IX

Co-ordinates: 760' S., 250' E.

Elevation: 681' ±.

Driller: Demaray &amp; Nichols.

Completed: June 6, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	0	259
Hamilton	259	39
Dundee	298	160
Columbus	458	18
Detroit River	476	9
Total Depth:	485'	

Geologist: B. V. Sanford.

Water
Fresh at 197' and 263'.
Sulphur at 380', 395' and 475'.

**J. O. Mutch No. 2**

Aldborough tp., lot C, con. IX.

Co-ordinates: 1,148' S., 260' W.  
Elevation: 680' ±.  
Driller: Demaray & Nichols.  
Completed: July 19, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	0	270
Hamilton.....	270	28
Dundee.....	298	159
Columbus.....	457	20
Total Depth:.....	477'.	

Geologist: Driller's Log.

**Water**

Fresh at 210' and 257'.  
Sulphur at 364' and 477'.

**T. O. OLIVER No. 1**

Aldborough tp., lot A, con. IX.

Co-ordinates: 545' S., 785' E.  
Elevation: 680' ±.  
Driller: Demaray and Nichols.  
Completed: March 3, 1962.  
Result: Dry hole, abandoned—left as water well.

Formation	Top	Thick
Drift.....	0	313
Hamilton.....	313	87
Dundee.....	400	127
Columbus.....	527	30
Detroit River.....	557	86
Total Depth:.....	643'.	

Geologist: R. G. Bryant.

**Water**

Fresh at 130'.  
Sulphur at 635'.

**CENTRAL PIPE LINE—FENDRICH No. 2**

Bayham tp., lot 14, con. IV.

Co-ordinates: 500' S., 950' E.  
Elevation: 723' + 2'.  
Driller: The Central Pipe Line Co., Ltd.  
Completed: March 16, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	2	284
Dundee.....	286	84
Columbus.....	370	16
Detroit River.....	386	108
Bois Blanc.....	494	127
Bass Island.....	621	60
Salina.....	681	387
Salt beds—nil		
Top of A2—997		
Top of A1—1,058		
Guelph-Lockport.....	1,068	246
Rochester.....	1,314	58
Reynales.....	1,372	23
Cabot Head.....	1,395	79
Manitoulin.....	1,474	16
Whirlpool.....	1,490	6
Queenston.....	1,496	11
Total Depth:.....	1,507'.	

Geologist: B. V. Sanford.

**Water**

Fresh at 285'.  
Sulphur at 617'.

**CENTRAL PIPE LINE—JAMES No. 1**

Bayham tp., lot 1, con. V.

Co-ordinates: 1,150' N., 775' W.  
Elevation: 646' + 4'.  
Driller: The Central Pipe Line Co., Ltd.  
Completed: October 22, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	4	261
Dundee.....	265	90
Detroit River.....	355	127
Bois Blanc.....	482	132
Bass Island.....	614	67
Salina.....	681	390
Salt beds—nil		
Top of A2—993		
Top of A1—1,048		
Guelph-Lockport.....	1,071	246
Rochester.....	1,317	47
Irondequoit.....	1,364	4
Reynales.....	1,368	13
Thorold.....	1,381	12
Cabot Head.....	1,393	7
Total Depth:.....	1,400'.	

Geologist: B. V. Sanford.

**Water**

Fresh at 257' and 274'.  
Sulphur at 581'.

**CENTRAL PIPE LINE—PHILLIPS No. 3**

Bayham tp., lot 1, con. V.

Co-ordinates: 1,390' S. of c/1., 1,040' E.  
Elevation: 685' + 2'.  
Driller: The Central Pipe Line Co., Ltd.  
Completed: December 21, 1962.  
Result: Gas Producer.  
Reported Flow: 17 Mcf/d. WHP, N.T.

Formation	Top	Thickness
Drift.....	2	173
Hamilton.....	175	15
Dundee.....	190	148
Detroit River.....	338	48
Bois Blanc.....	386	136
Bass Island.....	522	72
Salina.....	594	402
Salt beds—nil		
Top of A2—918		
Top of A1—968		
Guelph-Lockport.....	996	256
Rochester.....	1,252	40
Irondequoit.....	1,292	6
Reynales.....	1,298	19
Total Depth:.....	1,317'.	

Geologist: B. V. Sanford.

**Water**

Sulphur at 202' and 300'.

**Gas**

Show at 1080'.  
At 1,295' to 1,391'.

## Elgin County—Continued

## IMPERIAL OIL No. 817

Dunwich tp., lot 5, con. VIII.

Co-ordinates: 1,600' S., 380' E.

Elevation: 692' + 3'.

Driller: James Drilling.

Completed: October 13, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	3	317
Dundee	320	250
Detroit River	570	40
Total Depth:	610'	

Geologist: B. V. Sanford.

## Water

Fresh at 521'.

Salt at 610'.

## SARCEE PETROLEUM CORE TEST No. 1

Dunwich tp., lot 14, con. X.

Co-ordinates: 2,050' S., 900' E.

Elevation: 685' + 1'.

Driller: Demaray &amp; Nichols.

Completed: May 20, 1962.

Result: Oil show.

Formation	Top	Thickness
Drift	1	194
Dundee	195	120
Columbus	315	10
Detroit River	325	85
Total Depth:	410'	

Geologist: R. G. Quillian.

## Water

Fresh at 183' and 245'.

## Oil

Show at 393' to 407'.

## SARCEE PETROLEUM CORE TEST No. 2

Dunwich tp., lot 13, con. X

Co-ordinates: 2,845' S., 130' W.

Elevation: 685' + 1'.

Driller: Demaray &amp; Nichols.

Completed: May 31, 1962.

Result: Oil and gas show.

Formation	Top	Thickness
Drift	1	211
Hamilton	212	23
Dundee	235	96
Columbus	331	8
Detroit River	339	76
Total Depth:	415'	

Geologist: R. G. Quillian.

## Water

Fresh at 210'.

Sulphur at 225'.

## Gas

Show at 176'.

## Oil

Show at 415'.

## CHRISTIE, MITCHELL &amp; MITCHELL No. 2

Lake Erie No. 467-2

Co-ordinates: 42° 37' 31" N., 80° 46' 02" W.

Elevation: 572' + 16'.

Driller: Rawlings Drilling Co.

Completed: October 6, 1962.

Result: Gas show, abandoned.

Reported Flow: 6.9 Mcf/d.

Formation	Top	Thickness
Lake	16	22
Drift	38	226
Dundee	264	216
Bois Blanc	480	141
Bass Island	621	95
Salina	716	359

Salt beds—nil

Top of A2—1,062

Top of A1—nil

Guelph-Lockport	1,075	261
Rochester	1,336	40
Irondequoit-Reynales	1,376	15
Thorold	1,391	2
Grimsby	1,393	32
Cabot Head and Manitoulin	1,425	78
Queenston	1,503	18

Total Depth: 1,521'.

Geologist: R. G. Quillian.

## Water

Sulphur at 643'.

## Gas

Show at 1,404' to 1,409',  
1,423' to 1,424',  
1,430' to 1,432'.

## ESSEX

## IMPERIAL OIL No. 813

Gosfield South tp., lot 6, con IV.

Co-ordinates: 2,700' S., 450' W.

Elevation: 634' + 4'.

Driller: Canadian Longyear Ltd.

Completed: July 18, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	4	131
Columbus	135	24
Detroit River	159	96
Bois Blanc	255	80
Bass Island	335	265
Salina	600	554

Salt beds—nil

Top of A2—1,070

Top of A1—1,125

Guelph-Lockport	1,154	377
Rochester	1,531	11
Irondequoit and Reynales	1,542	17
Cabot Head	1,559	109
Manitoulin	1,668	50
Queenston	1,718	267
Meaford-Dundas and Collingwood	1,985	422
Cobourg	2,407	48
Sherman Fall	2,455	53
Kirkfield	2,508	25

Total Depth: 2,533'.

Structure Test.

Geologist: C. J. Hadley.

## Water

Fresh at 132'.

Sulphur at 1,150'.

## Gas

Show at 1,490' and 2,407'.

**Essex County—Continued**

**IMPERIAL OIL No. 828**

Gosfield South tp., lot 3, con. 1V.

Co-ordinates: 1,650' N., 445' W.  
Elevation: 631' + 4'.  
Driller: Stubble and Stubble.  
Completed: December 20, 1962.  
Result: Show gas, abandoned.  
Reported Flow: 55 Mcf/d.

Formation	Top	Thickness
Drift	4	111
Columbus	115	15
Detroit River	130	138
Bois Blanc	268	168
Bass Island	436	179
Salina	615	511
Salt beds—nil		
Top of A2—1,020		
Top of A1—1,090		
Guelph-Lockport	1,126	402
Rochester	1,528	10
Reynales	1,538	4
Dyer Bay	1,542	18
Cabot Head	1,560	95
Manitoulin	1,655	53
Queenston	1,708	254
Meaford-Dundas and Collingwood	1,962	421
Trenton	2,383	345
Black River	2,728	47
Total Depth:		2,775'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 102'.	Show at 2,390'.
Fresh at 145'.	
Salt at 1,140'	

**S. J. PUTMAN—MATSCHULAT No. 1**

Gosfield South tp., lot 4, con. W. D. F. C.

Co-ordinates: 712' S., 102' E.  
Elevation: 626' + 4'.  
Driller: R. L. McPherson.  
Completed: July 17, 1962.  
Result: Show gas, abandoned.

Formation	Top	Thickness
Drift	4	96
Detroit River	100	161
Bois Blanc	261	89
Bass Island	350	130
Salina	480	525
Salt beds—nil		
Top of A2—906		
Top of A1—970		
Guelph-Lockport	1,005	469
Rochester	1,474	4
Reynales	1,478	2
Dyer Bay	1,480	22
Cabot Head	1,502	73
Manitoulin	1,575	84
Queenston	1,659	251
Meaford-Dundas and Collingwood	1,910	449
Trenton	2,359	326
Black River	2,685	484
Cambrian	3,169	41
Total Depth:		3,210'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 70'.	Show at 930' to 938'
Salt at 3,175'.	

**S. J. PUTMAN—GOLDEN No. 1**  
Gosfield South tp., lot 7, con. W.D.F.C.

Co-ordinates: 2,750' S., 237' E.  
Elevation: 622' + 2'.  
Driller: E. English Drilling Co.  
Completed: January 6, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	2	106
Detroit River	108	241
Bass Island	349	158
Salina	507	541
Salt beds—nil		
Top of A2—941		
Top of A1—1,010		
Guelph-Lockport	1,048	397
Rochester	1,445	7
Reynales	1,452	5
Dyer Bay	1,457	13
Cabot Head	1,470	100
Manitoulin and Whirlpool	1,570	76
Queenston	1,646	275
Meaford-Dundas and Collingwood	1,921	430
Trenton	2,351	334
Black River	2,685	31
Total Depth:		2,716'

Geologist: B. V. Sanford.

Water
Fresh at 80'.
Sulphur at 125' and 341'.
Salt at 997'.

**BRITISH AMERICAN OIL No. 19**

Malden tp., lot 67, con. VI.

Co-ordinates: 532' N., 1,594' W.  
Elevation: 597' + 3'.  
Driller: R. L. McPherson Drilling Co.  
Completed: February 19, 1962.  
Result: Oil Producer.  
Reported Flow: 25 bbl/d.

Formation	Top	Thickness
Drift	3	63
Detroit River	66	132
Bois Blanc	198	77
Bass Island	275	246
Salina	521	522
Salt beds—nil		
Top of A2—905		
Top of A1—980		
Guelph-Lockport	1,043	352
Rochester	1,395	5
Reynales	1,400	8
Cabot Head	1,408	72
Manitoulin	1,480	77
Queenston	1,557	163
Meaford-Dundas and Collingwood	1,720	465
Trenton	2,185	130
Total Depth:		2,315'

Geologist: B. V. Sanford.

Water	Oil
Fresh at 40' and 102'.	At 2,232' to 2,310'.
Salt at 1,074', 1,102' and 1,201'.	

## Essex County—Continued

## CONSOLIDATED WEST PETROLEUM No. 98

Malden tp., lot 64, con. VI.

Co-ordinates: 470' N., 1,604' W.  
 Elevation: 591' + 4'.  
 Driller: Mandley Drilling Contractors Ltd.  
 Completed: January 9, 1962.  
 Result: Oil Producer.  
 Reported Flow: 30 bbl/d.

Formation	Top	Thickness
Drift	4	69
Detroit River	73	69
Sylvania	142	38
Bois Blanc	180	73
Bass Island	253	208
Salina	461	557
Salt beds—nil		
Top of A2—883		
Top of A1—963		
Guelph-Lockport	1,018	338
Rochester	1,356	8
Reynales	1,364	5
Cabot Head	1,369	95
Manitoulin	1,464	60
Queenston	1,524	210
Meaford-Dundas and Collingwood	1,734	427
Trenton	2,161	303
Black River	2,464	205
Total Depth:	2,669'	

Geologist: B. V. Sanford and M. J. Pardo.

Water	Gas	Oil
Fresh at 87' and 282'.	Show at 2,180' and 2,168'.	Show at 2,168'.
Salt at 1,071, 2,353' and 2,617'.		

## CONSOLIDATED WEST PETROLEUM No. 99

Malden tp., lot 65, con. VII.

Co-ordinates: 652' N., 305' E.  
 Elevation: 598' + 3'.  
 Driller: Mandley Drilling Contractors Ltd.  
 Completed: May 30, 1962.  
 Result: Oil Producer.  
 Reported Flow: 15 bbl/d.

Formation	Top	Thickness
Drift	3	62
Detroit River	65	50
Sylvania	115	44
Bois Blanc	159	43
Bass Island	202	308
Salina	510	522
Salt beds—nil		
Top of A2—887		
Top of A1—975		
Guelph-Lockport	1,032	340
Rochester	1,372	8
Reynales	1,380	3
Cabot Head	1,383	119
Manitoulin	1,502	36
Queenston	1,538	257
Meaford-Dundas and Collingwood	1,795	382
Trenton	2,177	168
Total Depth:	2,345'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 68' and 486'.	Show at 2,227'.	At 2,227'.
Salt at 1,070' and 2,251'.		

## CONSOLIDATED WEST PETROLEUM No. 100

Malden tp., lot 64, con. VI.

Co-ordinates: 723' S., 305' W.  
 Elevation: 599' + 3'.  
 Driller: Mandley Drilling Contractors Ltd.  
 Completed: June 5, 1962.  
 Result: Gas and oil show.

Formation	Top	Thickness
Drift	3	72
Detroit River	75	137
Bois Blanc	212	51
Bass Island	263	257
Salina	520	528
Salt beds—nil		
Top of A2—910		
Top of A1—995		
Guelph-Lockport	1,048	343
Rochester	1,391	3
Reynales	1,394	4
Cabot Head	1,398	72
Manitoulin	1,470	79
Queenston	1,549	254
Meaford-Dundas and Collingwood	1,803	389
Trenton	2,192	314
Black River	2,506	91
Total Depth:	2,597'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 101'.	Show at 1,526'.	Show at 1,526' and 2,251'.
Sulphur at 370'.		
Salt at 1,095' and 2,597'.		

## IMPERIAL OIL No. 802

Malden tp., lot 49, con. V.

Co-ordinates: 500' N., 537' E.  
 Elevation: 594' + 5'.  
 Driller: H. Meier.  
 Completed: February 7, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	5	58
Detroit River	63	171
Bois Blanc	234	153
Bass Island	387	170
Salina	557	540
Salt beds—nil		
Top of A2—959		
Top of A1—1,053		
Guelph-Lockport	1,097	342
Rochester	1,439	16
Reynales	1,455	4
Dyer Bay	1,459	9
Cabot Head	1,468	62
Manitoulin	1,530	75
Queenston	1,605	236
Meaford-Dundas	1,841	213
Collingwood	2,054	166
Trenton	2,220	349
Black River	2,569	58
Total Depth:	2,627'	

Geologist: B. V. Sanford.

Water
Fresh at 60' and 80'.
Salt at 939' and 1,122'.

**IMPERIAL OIL No. 806**

Malden tp., lot 73, con. VI.

Co-ordinates: 522' N., 1,587' E.  
Elevation: 614' + 4'.  
Driller: Stubble and Stubble.  
Completed: July 20, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	81
Detroit River	85	227
Bois Blanc	312	157
Bass Island	469	116
Salina	585	587
Salt beds—nil		
Top of A2—1,025		
Top of A1—1,130		
Guelph-Lockport	1,172	324
Rochester	1,496	7
Reynales	1,503	7
Dyer Bay	1,510	9
Cabot Head	1,519	68
Manitoulin	1,587	79
Queenston	1,666	244
Meaford-Dundas and Collingwood	1,910	379
Trenton	2,289	351
Black River	2,640	52
Total Depth:		2,692'

Geologist: B. V. Sanford.

**Water**

Fresh at 75'.  
Sulphur at 1,056' and 1,216'.

**GLENGARRY**

**IMPERIAL OIL—STRUCTURE TEST**

Kenyon tp., lot 5, con. VIII.

Co-ordinates: 3,373' N., 100' W.  
Elevation: 305' + 1'.  
Driller: Heath and Sherwood Drilling Ltd.  
Completed: July 23, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	29
Black River	30	15
Chazy	45	356
Beekmantown	401	855
Potsdam	1,256	1,016
Total Depth:		2,272'

Geologist: S. B. MacEachern.

**Water**

Not recorded.

**HALDIMAND**

**EL PASO—LAKE ERIE No. 03-17A**

Co-ordinates: 42° 45' 55" N., 79° 42' 45" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: September 1, 1962.  
Result: Gas Producer.  
Reported Flow: 2.82 MMcf/d. WHP, 545 psig.

Formation	Top	Thickness
Lake	27	77
Drift	104	61
Bois Blanc	165	67
Bass Island	232	48
Salina	280	325
Guelph-Lockport	605	245
Rochester	850	51
Irondequoit and Reynales	901	15
Thorold	916	3
Grimsby	919	55
Cabot Head	974	38
Total Depth:		1,012'

Geologist: J. M. Stewart.

**Water**

Sulphur at 230', 260'  
and 845'.

**Gas**

At 902' to 904'  
930' to 972'.

**EL PASO-PLACE—LAKE ERIE No. 04-18**

Co-ordinates: 42° 43' 30" N., 79° 56' 18" W.  
Elevation: 572' + 26'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: April 30, 1962.  
Result: Gas Producer.  
Reported Flow: 100 Mcf/d. WHP, N. R.

Formation	Top	Thickness
Lake	26	74
Drift	100	25
Bois Blanc	125	110
Bass Island	235	107
Salina	342	308
Guelph-Lockport	650	270
Rochester	920	54
Thorold	974	22
Grimsby	996	46
Cabot Head	1,042	31
Total Depth:		1,073'

Geologist: W. J. Van Hoff.

**Water**

Sulphur at 830'.

**Gas**

At 1,006' to 1,009',  
1,020' to 1,026',  
1,030' to 1,034'.

**Haldimand County—Continued****EL PASO-PLACE—LAKE ERIE No. 09-19**

Co-ordinates: 42° 43' 24" N., 79° 56' 56" W.

Elevation: 572' + 26'.

Driller: Northern Offshore Drilling Ltd.

Completed: May 10, 1962.

Result: Gas Producer.

Reported Flow: 480 Mcf/d. WHP. 548 psig.

Formation	Top	Thickness
Lake	26	79
Drift	105	50
Bois Blanc	155	105
Bass Island	260	102
Salina	362	308
Guelph-Lockport	670	258
Rochester	928	53
Thorold	981	21
Grimsby	1,002	46
Cabot Head	1,048	27
Total Depth:		1,075'

Geologist: W. J. Van Hoff.

Water	Gas
Sulphur at 785'.	At 1,018' to 1,032'.

**EL PASO-PLACE—LAKE ERIE No. 09-20**

Co-ordinates: 42° 43' 22" N., 79° 57' 30" W.

Elevation: 572' + 26'.

Driller: Northern Offshore Drilling Ltd.

Completed: May 19, 1962.

Result: Gas show.

Reported Flow: 19 Mcf/d. WHP. N.T.

Formation	Top	Thickness
Lake	26	74
Drift	100	50
Bois Blanc	150	108
Bass Island	258	100
Salina	358	302
Guelph-Lockport	660	270
Rochester	930	54
Thorold	984	26
Grimsby	1,010	36
Cabot Head	1,046	70
Whirlpool	1,116	14
Queenston	1,130	2
Total Depth:		1,132'

Geologist: W. J. Van Hoff.

Water	Gas
Sulphur at 840'.	At 1,011' to 1,014'.

**EL PASO-PLACE—LAKE ERIE No. 04-21**

Co-ordinates: 42° 43' 36" N., 79° 55' 42" W.

Elevation: 572' + 26'.

Driller: Northern Offshore Drilling Ltd.

Completed: May 25, 1962.

Result: Gas Producer.

Reported Flow: 433 Mcf/d. WHP. 470 psig.

Formation	Top	Thickness
Lake	26	75
Drift	101	21
Bois Blanc	122	113
Bass Island	235	105
Salina	340	302
Guelph-Lockport	642	271
Rochester	913	57
Thorold	970	28
Grimsby	998	36
Cabot Head	1,034	35
Total Depth:		1,069'

Geologist: W. J. Van Hoff.

Water	Gas
Sulphur at 825'.	At 1,018' to 1,032'.

**EL PASO-PLACE—LAKE ERIE No. 04-22**

Co-ordinates: 42° 43' 54" N., 79° 55' 29" W.

Elevation: 572' + 26'.

Driller: Northern Offshore Drilling Ltd.

Completed: June 1, 1962.

Result: Gas Producer.

Reported Flow: 400 Mcf/d. WHP. 415 psig.

Formation	Top	Thickness
Lake	26	71
Drift	97	25
Bois Blanc	122	113
Bass Island	235	105
Salina	340	302
Guelph-Lockport	642	261
Rochester	903	57
Thorold	960	25
Grimsby	985	57
Cabot Head	1,042	33
Total Depth:		1,075'

Geologist: J. M. Stewart.

Water	Gas
Sulphur at 867'.	At 978' to 1,014'.

**EL PASO-PLACE—LAKE ERIE No. 04-23**

Co-ordinates: 42° 43' 58" N., 79° 55' 53" W.

Elevation: 572' + 27'.

Driller: Northern Offshore Drilling Ltd.

Completed: June 6, 1962.

Result: Gas Producer.

Reported Flow: 179 Mcf/d. WHP. 515 psig.

Formation	Top	Thickness
Lake	27	71
Drift	98	5
Bois Blanc	103	122
Bass Island	225	110
Salina	335	290
Guelph-Lockport	625	270
Rochester	895	61
Thorold	956	15
Grimsby	971	59
Cabot Head	1,030	21
Total Depth:		1,051'

Geologist: J. M. Stewart.

Water	Gas
Fresh at 380'.	At 974' to 982'.
Sulphur at 870'.	

EL PASO-PLACE—LAKE ERIE No. 04-24

Co-ordinates: 42° 43' 44" N., 79° 55' 10" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: June 11, 1962.  
Result: Gas Producer.  
Reported Flow: 792 Mcf/d. WHP. 442 psig.

Formation	Top	Thickness
Lake	27	78
Drift	105	27
Bois Blanc	132	96
Bass Island	228	105
Salina	333	305
Guelph-Lockport	638	258
Rochester	896	62
Thorold	958	15
Grimsby	973	60
Cabot Head	1,033	32
Total Depth:	1,065'	

Geologist: J. M. Stewart.

**Water** **Gas**  
Sulphur at 214'. At 977' to 1,006'.

EL PASO-PLACE—LAKE ERIE No. 04-25

Co-ordinates: 42° 43' 49" N., 79° 54' 39" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: June 18, 1962.  
Result: Gas Producer.  
Reported Flow: 339 Mcf/d. WHP. 492 psig.

Formation	Top	Thickness
Lake	27	75
Drift	102	55
Bois Blanc	157	81
Bass Island	238	92
Salina	330	302
Guelph-Lockport	632	268
Rochester	900	62
Thorold	962	15
Grimsby	977	62
Cabot Head	1,039	21
Total Depth:	1,060'	

Geologist: J. M. Stewart.

**Water** **Gas**  
Sulphur at 319'. At 982' to 1,014'.

EL PASO-PLACE—LAKE ERIE No. 04-26

Co-ordinates: 42° 44' 16" N., 79° 54' 45" W.  
Elevation: 572' + 26'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: June 25, 1962.  
Result: Gas Producer.  
Reported Flow: 249 Mcf/d. WHP. 462 psig.

Formation	Top	Thickness
Lake	26	74
Drift	100	36
Bois Blanc	136	76
Bass Island	212	96
Salina	308	302
Guelph-Lockport	610	275
Rochester	885	60
Irondequoit and Reynales	945	13
Grimsby	958	62
Cabot Head	1,020	26
Total Depth:	1,046'	

Geologist: J. M. Stewart.

**Water** **Gas**  
Sulphur at 196' and 673'. At 964' to 1,008'.

EL PASO-PLACE—LAKE ERIE No. 04-27

Co-ordinates: 42° 43' 50" N., 79° 54' 12" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: July 1, 1962.  
Result: Gas Producer.  
Reported Flow: 34 Mcf/d. WHP. 533 psig.

Formation	Top	Thickness
Lake	27	73
Drift	100	40
Bois Blanc	140	90
Bass Island	230	102
Salina	332	308
Guelph-Lockport	640	262
Rochester	902	63
Irondequoit and Reynales	965	13
Grimsby	978	61
Cabot Head	1,039	26
Total Depth:	1,065'	

Geologist: J. M. Stewart.

**Water** **Gas**  
Sulphur at 231', 310' and 850'. At 988' to 996'.

EL PASO—LAKE ERIE No. 82-28

Co-ordinates: 42° 43' 12" N., 79° 55' 35" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: July 10, 1963.  
Result: Gas Producer.  
Reported Flow: 1,095 Mcf/d. WHP. 502 psig.

Formation	Top	Thickness
Lake	27	71
Drift	98	43
Bois Blanc	141	99
Bass Island	240	112
Salina	352	310
Guelph-Lockport	662	278
Rochester	940	51
Irondequoit and Reynales	991	16
Thorold	1,007	7
Grimsby	1,014	54
Cabot Head	1,068	19
Total Depth:	1,087'	

Geologist: J. M. Stewart.

**Water** **Gas**  
Sulphur at 200' and 860'. At 994' to 1,007', 1,008' to 1,012', 1,017' to 1,054'.



**Haldimand County—Continued****EL PASO—LAKE ERIE No. 82-29**

Co-ordinates: 42° 42' 35" N., 79° 55' 29" W.

Elevation: 572' + 27'.

Driller: Northern Offshore Drilling Ltd.

Completed: July 17, 1962.

Result: Gas Producer.

Reported Flow: 612 Mcf/d. WHP. 516 psig.

Formation	Top	Thickness
Lake	27	93
Drift	120	69
Bois Blanc	189	73
Bass Island	262	108
Salina	376	313
Guelph-Lockport	683	269
Rochester	952	56
Irondequoit and Reynales	1,008	16
Thorold	1,024	3
Grimsby	1,027	57
Cabot Head	1,084	31

Total Depth: 1,115'.

Geologist: J. M. Stewart.

Water	Gas
Sulphur at 265' and 780'.	At 1,014' to 1,070'.

**EL PASO—LAKE ERIE No. 82-30**

Co-ordinates: 42° 42' 35" N., 79° 55' 59" W.

Elevation: 572' + 27'.

Driller: Northern Offshore Drilling Ltd.

Completed: July 25, 1962.

Result: Gas Producer.

Reported Flow: 2.08 MMcf/d. WHP. 571 psig.

Formation	Top	Thickness
Lake	27	89
Drift	116	86
Bois Blanc	202	68
Bass Island	270	108
Salina	378	312
Guelph-Lockport	690	265
Rochester	955	55
Grimsby	1,010	77
Cabot Head	1,087	35

Total Depth: 1,122'.

Geologist: J. M. Stewart.

Water	Gas
Sulphur at 910'.	At 1,028' to 1,050', 1,058' to 1,082'.

**EL PASO—LAKE ERIE No. 80-31**

Co-ordinates: 42° 42' 59" N., 79° 56' 41" W.

Elevation: 572' + 26'.

Driller: Northern Offshore Drilling Ltd.

Completed: August 10, 1962.

Result: Gas Producer.

Reported Flow: 2.33 MMcf/d. WHP. 588 psig.

Formation	Top	Thickness
Lake	26	75
Drift	101	36
Bois Blanc	137	113
Bass Island	250	114
Salina	364	311
Guelph-Lockport	675	265
Rochester	940	56
Irondequoit and Reynales	996	12
Thorold	1,008	6
Grimsby	1,014	58
Cabot Head	1,072	28

Total Depth: 1,100'.

Geologist: J. M. Stewart.

Water	Gas
Sulphur at 545' and 670'.	At 1,015' to 1,062'.

**EL PASO—LAKE ERIE 80-32**

Co-ordinates: 42° 42' 35" N., 79° 56' 33" W.

Elevation: 572' + 26'.

Driller: Northern Offshore Drilling Ltd.

Completed: August 18, 1962.

Result: Gas Producer.

Reported Flow: 205 Mcf/d. WHP. 430 psig.

Formation	Top	Thickness
Lake	25	87
Drift	113	62
Bois Blanc	175	95
Bass Island	270	110
Salina	380	312
Guelph-Lockport	692	265
Rochester	957	55
Irondequoit and Reynales	1,012	14
Thorold	1,026	4
Grimsby	1,030	57
Cabot Head	1,087	28

Total Depth: 1,115'.

Geologist: J. M. Stewart.

Water	Gas
Nil.	At 1,030' to 1,076'.

**EL PASO—LAKE ERIE No. 03-33**

Co-ordinates: 42° 45' 58" N., 79° 41' 29" W.

Elevation: 572' + 27'.

Driller: Northern Offshore Drilling Ltd.

Completed: August 24, 1962.

Result: Gas Producer.

Reported Flow: 359 Mcf/d. WHP. 585 psig.

Formation	Top	Thickness
Lake	27	78
Drift	105	45
Bois Blanc	150	90
Bass Island	240	33
Salina	273	327
Guelph-Lockport	600	247
Rochester	847	51
Irondequoit and Reynales	898	14
Thorold	912	5
Grimsby	917	54
Cabot Head	971	28

Total Depth: 999'.

Geologist: J. M. Stewart.

Water	Gas
Sulphur at 225', 312' and 770'.	At 918' to 965'.

**EL PASO—LAKE ERIE No. 03-35**

Co-ordinates: 42° 45' 17" N., 79° 42' 27" W.

Elevation: 572' + 27'.

Driller: Northern Offshore Drilling Ltd.

Completed: September 6, 1962.

Result: Gas Producer.

Reported Flow: 141 Mcf/d. WHP. 451 psig.

Formation	Top	Thickness
Lake	27	83
Drift	110	69
Bois Blanc	179	81
Bass Island	260	50
Salina	310	320
Guelph-Lockport	630	240
Rochester	870	53
Irondequoit and Reynales	923	15
Thorold	938	3
Grimsby	941	56
Cabot Head	997	38

Total Depth: 1,035'.

Geologist: J. M. Stewart.

Water	Gas
Sulphur at 265' and 605'.	At 950' to 996'.

**EL PASO—LAKE ERIE No. 03-36**

Co-ordinates: 42° 45' 23" N., 79° 41' 52" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: September 17, 1963.  
Result: Gas Producer.  
Reported Flow: 96 Mcf/d. WHP, 579 psig.

Formation	Top	Thickness
Lake	27	83
Drift	110	57
Bois Blanc	167	88
Bass Island	255	48
Salina	303	327
Guelph-Lockport	630	232
Rochester	862	57
Irondequoit and Reynales	919	15
Thorold	934	6
Grimsby	940	50
Cabot Head	990	43
Total Depth:	1,033'	

Geologist: J. M. Stewart

**Water** **Gas**  
Sulphur at 286', 640' At 946' to 982',  
and 790'.

**EL PASO—LAKE ERIE No. 03-37**

Co-ordinates: 42° 46' 10" N., 79° 43' 17" W.  
Elevation: 572 + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: September 26, 1962.  
Result: Gas Producer.  
Reported Flow: 38 Mcf/d. WHP, 561 psig.

Formation	Top	Thickness
Lake	27	75
Drift	102	50
Bois Blanc	152	70
Bass Island	222	48
Salina	270	324
Guelph-Lockport	594	250
Rochester	844	50
Irondequoit and Reynales	894	16
Thorold	910	2
Grimsby	912	55
Cabot Head	967	37
Total Depth:	1,004'	

Geologist: J. M. Stewart

**Water** **Gas**  
Sulphur at 210', 740' At 933' to 936',  
and 815', 946' to 954'.

**EL PASO—LAKE ERIE No. 03-38**

Co-ordinates: 42° 45' 34" N., 79° 43' 13" W.  
Elevation: 572' + 27'.  
Driller: Northern Offshore Drilling Ltd.  
Completed: October 6, 1962.  
Result: Gas Producer.  
Reported Flow: 1,035 Mcf/d. WHP, 566 psig.

Formation	Top	Thickness
Lake	27	78
Drift	105	61
Bois Blanc	166	81
Bass Island	247	51
Salina	298	322
Guelph-Lockport	620	238
Rochester	858	57
Irondequoit and Reynales	915	15
Thorold	930	4
Grimsby	934	56
Cabot Head	990	37
Total Depth:	1,027'	

Geologist: J. M. Stewart

**Water** **Gas**  
Sulphur at 280' and 650'. At 936' to 984'.

**LONG POINT No. 39—08-1 LAKE ERIE**

Co-ordinates: 42° 48' 33" N., 79° 52' 45" W.  
Elevation: 572' + 11'.  
Driller: Culver Drilling Co., Ltd.  
Completed: June 17, 1962.  
Result: Gas show, abandoned.  
Reported Flow: 11 Mcf/d.

Formation	Top	Thickness
Lake	11	18
Drift	29	4
Bois Blanc	33	117
Bass Island	150	200
Salina	350	132
Guelph-Lockport	482	243
Rochester	725	59
Irondequoit and Reynales	784	12
Thorold	796	9
Grimsby	805	47
Cabot Head	852	69
Whirlpool	921	5
Queenston	926	15
Total Depth:	941'	

Geologist: J. L. May

**Water** **Gas**  
Fresh at 40' At 912' to 920'.  
Sulphur at 65', 115' and 155'.

**LONG POINT No. 40—23-8 LAKE ERIE**

Co-ordinates: 42° 49' 25" N., 79° 29' 58" W.  
Elevation: 572' + 11'.  
Driller: Culver Drilling Co., Ltd.  
Completed: June 22, 1962.  
Result: Gas Producer.  
Reported Flow: 129 Mcf/d. WHP, N.R.

Formation	Top	Thickness
Lake	11	46
Drift	57	39
Bois Blanc	96	84
Bass Island	180	207
Salina	387	125
Guelph-Lockport	512	228
Rochester	740	66
Irondequoit and Reynales	806	20
Thorold	826	4
Grimsby	830	70
Cabot Head	900	41
Whirlpool	941	9
Queenston	950	32
Total Depth:	982'	

Geologist: J. L. May

**Water** **Gas**  
Fresh at 86'. At 942' to 949'.  
Sulphur at 328' and 529'.

**Haldimand County—Continued****LONG POINT No. 41—21-3 LAKE ERIE**

Co-ordinates: 42° 49' 08" N., 79° 32' 05" W.

Elevation: 572' + 10'.

Driller: Culver Drilling Co., Ltd.

Completed: July 11, 1962.

Result: Gas show, abandoned.

Reported Flow: 29 Mcf/d.

Formation	Top	Thickness
Lake	10	52
Drift	62	10
Bois Blanc	72	96
Bass Island	168	197
Salina	365	134
Guelph-Lockport	499	226
Rochester	725	59
Irondequoit and Reynales	784	25
Thorold	809	4
Grimsbey	813	58
Cabot Head	871	46
Whirlpool	917	12
Queenston	929	4
Total Depth	933'	

Geologist: J. L. May.

Water	Gas
Fresh at 74'.	At 927'.
Sulphur at 142'.	

**PLACE-WALPOLE No. 25—LAKE ERIE**

Co-ordinates: 42° 46' 07" N., 79° 56' 37" W.

Elevation: 572' + 14'.

Driller: Ivan Smelser.

Completed: May 30, 1962.

Result: Gas Producer.

Reported Flow: 112 Mcf/d. WHP. 375 psig.

Formation	Top	Thickness
Lake	14	46
Drift	60	34
Bois Blanc	94	74
Oriskany	168	19
Bass Island	187	20
Salina	207	333
Guelph-Lockport	540	237
Rochester	777	89
Irondequoit and Reynales	866	21
Thorold	887	12
Grimsbey	899	38
Cabot Head	937	67
Whirlpool	1,004	10
Queenston	1,014	37
Total Depth	1,051'	

Geologist: R. McChesney.

Water	Gas
Fresh at 93'.	Show at 382'.
Sulphur at 155'.	At 880' to 894', 905' to 910', 921' to 927'.

**LONG POINT No. 42—08-2 LAKE ERIE**

Co-ordinates: 42° 47' 45" N., 79° 52' 58" W.

Elevation: 572' + 11'.

Driller: Culver Drilling Co., Ltd.

Completed: July 3, 1962.

Result: Gas Producer.

Reported Flow: 230 Mcf/d. WHP. 496 psig.

Formation	Top	Thickness
Lake	11	31
Drift	42	2
Bois Blanc	44	126
Bass Island	170	202
Salina	372	128
Guelph-Lockport	500	245
Rochester	745	57
Irondequoit and Reynales	802	13
Thorold	815	4
Grimsbey	819	54
Cabot Head	873	67
Whirlpool	940	8
Queenston	948	22
Total Depth	970'	

Geologist: J. L. May.

Water	Gas
Fresh at 50'.	At 804' to 805', 826' and 858'.
Sulphur at 85'.	

**PLACE-WALPOLE No. 26—LAKE ERIE**

Co-ordinates: 42° 47' 22" N., 80° 00' 59" W.

Elevation: 572' + 15'.

Driller: I. Smelser.

Completed: September 3, 1962.

Result: Gas Producer.

Reported Flow: 79 Mcf/d. WHP. 450 psig.

Formation	Top	Thickness
Lake	15	16
Drift	31	2
Deleware	33	64
Detroit River	97	64
Bass Island	161	48
Salina	209	331
Guelph-Lockport	540	267
Rochester	807	61
Irondequoit and Reynales	868	7
Thorold	875	15
Grimsbey	890	34
Power Glen	924	56
Whirlpool	980	21
Queenston	1,001	14
Total Depth	1,015'	

Geologist: R. B. Harkness.

Water	Gas
Fresh at 62'.	Show at 551'.
Sulphur at 124' and 551'.	At 892' to 901'.

PLACE-WALPOLE No. 27—LAKE ERIE

Co-ordinates: 42° 46' 02" N., 79° 57' 28" W.  
Elevation: 572' + 15'.  
Driller: I. Smelser.  
Completed: June 13, 1962.  
Result: Gas Producer.  
Reported Flow: 170 Mcf/d. WHP. 420 psig.

Formation	Top	Thickness
Lake	15	47
Drift	62	3
Bois Blanc	65	93
Orkiskany	158	16
Bass Island	174	48
Salina	222	332
Guelph-Lockport	554	252
Rochester	806	65
Irondequoit and Reynales	871	26
Thorold	897	5
Grimsby	902	37
Cabot Head	939	30
Total Depth:	969'	

Geologist: R. McChesney.

Water	Gas
Fresh at 78'.	Show at 135', 272', 345',
Sulphur at 135', 538'	538' and 562'.
and 562'.	At 884' to 898',
Black at 345'.	924' to 930'.

P. L. JACKSON No. 44

Moulton tp., lot 6, Range II F.G.R.

Co-ordinates: 330' S. of Bird Road, 600' E.  
Elevation: 586' + 1.  
Driller: P. L. Jackson.  
Completed: January 15, 1962.  
Result: Gas Producer.  
Reported Flow: 22 Mcf/d. WHP. 180 psig.

Formation	Top	Thickness
Drift	0	89
Salina	89	191
Guelph-Lockport	280	225
Rochester	505	60
Irondequoit-Reynales and Thorold	565	25
Grimsby	590	45
Cabot Head	635	55
Whirlpool	690	10
Queenston	700	28
Total Depth:	728'	

Geologist: Driller's Log.

Water	Gas
Fresh at 88'.	Show at 200'.
Sulphur at 365'.	At 571', 614' and 694'.

PLACE-WALPOLE No. 28—LAKE ERIE

Co-ordinates: 42° 46' 49" N., 80° 01' 06" W.  
Elevation: 572 + 15'.  
Driller: I. Smelser.  
Completed: September 23, 1962.  
Result: Gas Producer.  
Reported Flow: 26 Mcf/d. WHP. 415 psig.

Formation	Top	Thickness
Lake	15	24
Drift	39	5
Dundee	44	66
Detroit River	110	58
Bass Island	168	54
Salina	222	317
Guelph-Lockport	539	272
Rochester	811	51
Irondequoit	862	10
Thorold	872	18
Grimsby	890	47
Cabot Head	937	57
Whirlpool	994	8
Queenston	1,002	20
Total Depth:	1,022'	

Geologist: R. B. Harkness.

Water	Gas
Fresh at 64'.	Show at 555' and 623'.
Sulphur at 555' and 623'.	At 893' to 926'.

P. L. JACKSON No. 45

Moulton tp., lot 7, Range II F.G.R.

Co-ordinates: 1,330' S., 250' E.  
Elevation: 586' + 1'.  
Driller: P. L. Jackson.  
Completed: March 2, 1962.  
Result: Gas Producer.  
Reported Flow: 10 Mcf/d. WHP. 165 psig.

Formation	Top	Thickness
Drift	1	94
Salina	95	265
Guelph-Lockport	360	151
Rochester	511	65
Irondequoit	576	7
Reynales	583	7
Thorold	590	7
Grimsby	597	47
Cabot Head	644	59
Whirlpool	703	11
Queenston	714	26
Total Depth:	740'	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 95'.	Show at 576' to 583'.
Sulphur at 390'.	At 625' to 630', 712' to 715'.

**Haldimand County—Continued****HALDIMAND GAS & OIL No. 445**

North Cayuga tp., lot 48, con. I S.T.R.

Co-ordinates: 420' N. // to L.L., 1,100' E.

Elevation: 685' + 1'.

Driller: Haldimand Gas &amp; Oil Wells Ltd.

Completed: May 15, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	1	26
Bois Blanc	27	13
Bass Island	40	40
Salina	80	320
Salt beds—nil		
Top of A2—330		
Top of A1—380		
Guelph-Lockport	400	255
Rochester	655	57
Irondequoit	712	18
Thorold	730	20
Grimsby	750	20
Cabot Head	770	50
Manitoulin	820	10
Whirlpool	830	10
Queenston	840	10
Total Depth:	850'	

Geologist: B. V. Sanferd.

**Water**

Fresh at 47' and 78'.

Sulphur at 90' and 257'.

**Gas**

Show at 755' to 760'.

**HALDIMAND GAS & OIL No. 447**

North Cayuga tp., lot 47, con. I S.T.R.

Co-ordinates: 1,600' S., 600' E.

Elevation: 688' + 1'.

Driller: Haldimand Gas &amp; Oil Wells Ltd.

Completed: July 28, 1962.

Result: Gas Producer.

Reported Flow: 30 Mcf/d. WHP. 380 psig.

Formation	Top	Thickness
Drift	1	19
Bois Blanc	20	10
Bass Island	30	40
Salina	70	320
Salt beds—nil		
Top of A2—350		
Top of A1—380		
Guelph-Lockport	390	260
Rochester	650	52
Irondequoit	702	8
Reynales	710	10
Thorold	720	19
Grimsby	739	41
Cabot Head	780	30
Manitoulin	810	10
Whirlpool	820	10
Queenston	830	10
Total Depth:	840'	

Geologist: B. V. Sanferd.

**Water**

Fresh at 22' and 48'.

Sulphur at 173', 255', and 510'.

**Gas**

Show at 705'.

At 725' to 730', 732' to 735'.

**HALDIMAND GAS & OIL No. 446**

North Cayuga tp., lot 47, con I S.T.R.

Co-ordinates: 2,800' S., 600' E.

Elevation: 688' + 1'.

Driller: Haldimand Gas &amp; Oil Wells Ltd.

Completed: June 20, 1962.

Result: Gas Producer.

Reported Flow: 70 Mcf/d. WHP. 375 psig.

Formation	Top	Thickness
Drift	1	20
Bois Blanc	21	9
Bass Island	30	60
Salina	90	330
Salt beds—nil		
Top of A2—370		
Top of A1—400		
Guelph-Lockport	420	230
Rochester	650	60
Irondequoit	710	10
Thorold	720	10
Grimsby	730	30
Cabot Head	760	70
Manitoulin	830	10
Whirlpool	840	5
Queenston	845	1
Total Depth:	846'	

Geologist: B. V. Sanferd.

**Water**

Fresh at 38' and 53'.

Sulphur at 187', 270' and 442'.

**Gas**

Show at 712' to 714',

724' to 726',

At 738' to 740'.

**HALDIMAND GAS & OIL No. 448**

North Cayuga tp., lot 48, con. I S.T.R.

Co-ordinates: 2,400' S., 1,000' E.

Elevation: 685' + 1'.

Driller: Haldimand Gas &amp; Oil Wells Ltd.

Completed: September 6, 1962.

Result: Gas Producer.

Reported Flow: 18 Mcf/d. WHP. 385 psig.

Formation	Top	Thickness
Drift	1	31
Bois Blanc	32	8
Bass Island	40	30
Salina	70	370
Salt beds—nil		
Top of A2—390		
Top of A1—		
Guelph-Lockport	440	200
Rochester	640	70
Irondequoit	710	5
Reynales	715	5
Thorold	720	10
Grimsby	730	12
Cabot Head	742	78
Manitoulin	820	20
Queenston	840	10
Total Depth:	850'	

Geologist: B. V. Sanferd.

**Water**

Fresh at 35'.

Sulphur at 88', 187', 257' and 531'.

**Gas**

At 719' to 741'.

**HALDIMAND GAS & OIL No. 449**

North Cayuga tp., lot 46, con. I S.T.R.

Co-ordinates: 2,800' S., 300' E.  
Elevation: 688' + 1'.  
Driller: Haldimand Gas and Oil Wells Ltd.  
Completed: October 15, 1962.  
Result: Gas Producer.  
Reported Flow: 130 Mcf/d. WHP. 400 psig.

Formation	Top	Thickness
Drift.....	1	19
Bois Blanc.....	20	10
Bass Island.....	30	50
Salina.....	80	280
Salt beds—nil		
Top of A2—360		
Top of A1—		
Guelph-Lockport.....	360	290
Rochester.....	650	50
Irondequoit.....	700	10
Reynales.....	710	5
Thorold.....	715	5
Grimshy.....	720	60
Cabot Head.....	780	20
Manitoulin.....	800	20
Whirlpool.....	820	3
Queenston.....	823	18
Total Depth:.....	841'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 49'.	Show at 708'.
Sulphur at 198', 260' and 454'.	At 719' to 747'.

**HALDIMAND GAS & OIL NO 444**

Rainham tp., lot 4, con. VIII.

Co-ordinates: 1,750' S., 360' E.  
Elevation: 685' + 1'.  
Driller: Haldimand Gas & Oil Wells Ltd.  
Completed: April 5, 1962.  
Result: Gas Producer.  
Reported Flow: 12 Mcf/d. WHP. 300 psig.

Formation	Top	Thickness
Drift.....	1	19
Bois Blanc.....	20	20
Bass Island.....	40	40
Salina.....	80	350
Salt beds—nil		
Top of A2—370		
Top of A1—410		
Guelph-Lockport.....	430	190
Rochester.....	620	100
Irondequoit.....	720	20
Reynales.....	Trace	
Grimshy.....	740	30
Cabot Head.....	770	50
Manitoulin.....	820	10
Whirlpool.....	830	10
Queenston.....	840	10
Total Depth:.....	850'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 27' and 58'.	At 743' to 760'.
Sulphur at 202'.	

**HALDIMAND GAS & OIL No. 450**

North Cayuga tp., lot 46, Con. I S.T.R.

Co-ordinates: 1,650' S., 400' E.  
Elevation: 688' + 1'.  
Driller: Haldimand Gas & Oil Wells Ltd.  
Completed: December 3, 1962.  
Result: Gas Producer.  
Reported Flow: 8 Mcf/d. WHP. 8 psig.

Formation	Top	Thickness
Drift.....	1	23
Bois Blanc.....	24	6
Bass Island.....	30	50
Salina.....	80	340
Guelph-Lockport.....	420	195
Rochester.....	615	77
Irondequoit.....	692	8
Reynales.....	700	20
Grimshy.....	720	40
Cabot Head.....	760	15
Total Depth:.....	775'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 32'.	Show at 700'.
Sulphur at 68', 208' and 538'.	At 724' to 735'.

**RANDOLPH MULLINS No. 1**

Seneca tp., lot 1, con. II S.S.C.R.

Co-ordinates: 2,500' N., 600' W.  
Elevation:  
Driller: Culver Drilling Co., Ltd.  
Completed: August 10, 1962.  
Result: Gas Producer.  
Reported Flow: 3 Mcf/d. WHP. 50 psig.

Formation	Top	Thickness
Drift.....	0	50
Salina.....	50	54
Guelph-Lockport.....	104	236
Rochester.....	340	52
Irondequoit.....	392	8
Thorold.....	400	10
Grimshy.....	410	39
Cabot Head.....	449	39
Manitoulin.....	488	22
Whirlpool.....	510	12
Queenston.....	522	18
Total Depth:.....	540'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 52'.	At 432' to 438'.
Sulphur at 145'.	

**Haldimand County—Continued****JARVIS HEREFORD FARMS—PETERSON No. 1**

Walpole tp., lot 5, con. VI.

Co-ordinates: 580' S., 940' E.

Elevation:

Driller: Jarvis Hereford Farms.

Completed: January 5, 1962.

Result: Gas Producer.

Reported Flow: 21 Mcf/d. WHP. 480 psig.

Formation	Top	Thickness
Drift	0	30
Bois Blanc	30	95
Bass Island and Salina	125	375
Guelph-Lockport	500	265
Rochester	765	50
Irondequoit, Reynales and Thorold	815	30
Grimsby	845	40
Cabot Head	885	50
Whirlpool	935	5
Queenston	940	5
Total Depth		945'

Geologist: Driller's Log.

Water	Gas
Fresh at 50'.	At 818' to 825'.
Sulphur at 85'.	845' to 885'.
	935' to 940'.

**JARVIS HEREFORD FARMS—MILLER No. 3**

Walpole tp., lot 6, con. VI.

Co-ordinates: 600' S., 400' W.

Elevation:

Driller: Jarvis Hereford Farms.

Completed: May 8, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	0	25
Bois Blanc	25	95
Bass Island and Salina	120	380
Guelph-Lockport	500	270
Rochester	770	50
Clinton	820	25
Grimsby	845	40
Cabot Head	885	55
Whirlpool	940	15
Queenston	955	5
Total Depth		960'

Geologist: Driller's Log.

Water
Fresh at 50'.
Sulphur at 80'.

**L. A. WINGER No. 2**

Walpole tp., lot 6, con. XIV.

Co-ordinates: 900' S., 500' W.

Elevation:

Driller: J. R. Nauman.

Completed: February 27, 1962.

Result: Gas Producer.

Reported Flow: 10 Mcf/d. WHP. 230 psig.

Formation	Top	Thickness
Drift	0	10
Undetermined	10	91
Bass Island and Salina	101?	302
Guelph-Lockport	403	240
Rochester	643	47
Clinton	690	38
Grimsby	728	33
Cabot Head	761	29
Total Depth		790'

Geologist: Driller's Log.

Water	Gas
Fresh at 54' and 84'.	At 699' to 700'.
Black at 432'.	714' to 716'.

**HALTON****F. & M. GAS AND OIL No. 1**

Esquesing tp., lot 25, con. IV.

Co-ordinates: 350' N., 700' E.

Elevation: 1,111' + 3'.

Driller: G. A. Dennis and Sons.

Completed: November 20, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	3	93
Whirlpool	96	4
Queenston	100	460
Meaford-Dundas and Collingwood	560	804
Trenton	1,364	—
Black River	—	666
Precambrian	2,030	571
Total Depth		2,601'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 101'.	Show at 1,885'.
Salt at 200' and 2,370'.	

**ANTHONY GAS AND OIL No. 38**

Esquesing tp., lot 14, con. V.

Co-ordinates: 170' S., 840' W.

Elevation: 847' + 2'.

Driller: L. C. McKillop.

Completed: February 10, 1962.

Result: Gas Producer.

Reported Flow: 140 Mcf/d. WHP. 290 psig.

Formation	Top	Thickness
Drift	2	86
Queenston	88	268
Meaford-Dundas	356	718
Collingwood	1,074	96
Trenton	1,170	510
Black River	1,680	92
Total Depth		1,772'

Geologist: Driller's Log and B. V. Sanford.

Water	Gas	Oil
Fresh at 108'.	At 1,748' to 1,751'.	Show at 1,758'.
	1,755' to 1,759'.	

**ANTHONY GAS AND OIL No. 39**

Esquesing tp., lot 15, con. V.

Co-ordinates: 1,410' S., 1,540' E.

Elevation: 889' + 2'.

Driller: L. C. McKillop.

Completed: June 14, 1962.

Result: Oil show, abandoned.

Formation	Top	Thickness
Drift.....	0	33
Queenston.....	33	350
Meaford-Dundas.....	383	719
Collingwood.....	1,102	102
Trenton.....	1,204	501
Black River.....	1,705	143
Total Depth:.....	1,848'	

Geologist: Driller's Log & B. V. Sanford.

**Water** **Oil**  
Fresh at 79'. Show at 1,807' to 1,809'.

**ANTHONY GAS AND OIL No. 40**

Esquesing tp., lot 17, con. V.

Co-ordinates: 1,010' S., 569' W. of c/l.

Elevation: 980' + 2'.

Driller: L. C. McKillop.

Completed: October 9, 1962.

Result: Gas Producer.

Reported Flow: 235 Mcf/d. WHP. 410 psig.

Formation	Top	Thickness
Drift.....	2	26
Queenston.....	28	460
Meaford-Dundas and Collingwood.....	488	793
Trenton.....	1,281	516
Black River.....	1,797	108
Total Depth:.....	1,905'	

Geologist: B. V. Sanford.

**Water** **Gas**  
Fresh at 44' and 148'. At 1,797 to 1,803',  
1,803' to 1,810'

**HURON**

**BRIEN & ASSOCIATES No. 1**

Stephen tp., lot 4, con. IX.

Co-ordinates: 100' N., 1,000' W.

Elevation: 791' + 1'.

Driller: W. Marsh.

Completed: December 10, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift.....	1	116
Dundee.....	117	90
Detroit River.....	207	335
Bois Blanc.....	542	167
Bass Island.....	709	115
Salina.....	824	874

Salt beds

**From** **To**  
1,210.....1,400  
1,548.....1,600

Top of A2—1,400

Top of A1—1,600

Guelph-Lockport.....	1,698	74
Rochester.....	1,772	28
Reynales.....	1,800	13
Cabot Head.....	1,813	5
Total Depth:.....	1,818'	

Geologist: B. V. Sanford.

**Water** **Gas**  
Fresh at 126' and 247'. Show at 247' to 248'.  
Sulphur at 450'.  
Salt at 1,612'.

**WALTER R. CRABTREE No. 4**

Stephen tp., lot 19, con. XVIII.

Co-ordinates: 37' N., 234' W.

Elevation: 677' + 3'.

Driller: Rawlings Drilling Co., Ltd.

Completed: December 22, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	3	69
Dundee.....	72	68
Detroit River.....	140	395
Bois Blanc.....	535	187
Bass Island.....	722	83
Salina.....	805	895

Salt beds

**From** **To**  
1,022.....1,031  
1,300.....1,400

Top of A2—1,400

Top of A1—1,500

Guelph-Lockport.....	1,700	150
Total Depth:.....	1,850'	

Geologist: B. V. Sanford.

**Water**  
Fresh at 150'.

**IMPERIAL OIL No. 801-A**

Tuckersmith tp., lot 30, con. III. H.R.F.

Co-ordinates: 2,032' SW., 755' SE.

Elevation: 939' + 4'.

Driller: L. O. Patterson.

Completed: February 9, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	4	77
Dundee.....	81	33
Detroit River.....	114	356
Bois Blanc.....	470	261
Bass Island.....	731	165
Salina.....	896	411

Salt beds—nil

Top of A2—1,234

Top of A1—missing

Guelph-Lockport.....	1,307	459
Rochester.....	1,766	10
Irondequoit.....	1,776	11
Total Depth:.....	1,787'	

Geologist: A. E. James.

**Water**  
Fresh at 86' and 290'.  
Sulphur at approx. 800'.



## Huron County—Continued

## UNITED REEF No. 8

Tuckersmith tp., lot 13, con. III.

Co-ordinates: 250' S., 1,850' E.

Elevation: 955' + 4'.

Driller: R. Mandley Drilling Contractors Ltd.

Completed: January 26, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	64
Dundee	68	70
Detroit River	138	278
Bois Blanc	416	199
Bass Island	615	121
Salina	736	874
Salt beds		
From	To	
1,091	1,315	
1,453	1,463	
Top of A2—1,315		
Top of A1—1,463		
Guelph-Lockport	1,610	90
Rochester	1,700	14
Total Depth:	1,714'	

Geologist: B. Corden and B. V. Sanford.

## Water

Fresh at 34', 70' and 99'.

Salt at 202'.

## UNITED REEF No. 9

Usborne tp., lot 15, con. VII.

Co-ordinates: 600' S., 760' E.

Elevation: 972' + 4'.

Driller: R. Mandley Drilling Contractors Ltd.,

Completed: March 1, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	105
Dundee	109	46
Detroit River	155	330
Bois Blanc	485	155
Bass Island	640	117
Salina	757	793
Salt beds		
From	To	
1,106	1,277	
1,424	1,437	
Top of A2—1,277		
Top of A1—1,437		
Guelph-Lockport	1,550	103
Rochester	1,653	10
Reynales	1,663	9
Cabot Head	1,672	10
Total Depth:	1,682'	

Geologist: B. V. Sanford.

## Water

Fresh at 20', 67' and 83'.

Sulphur at 300'.

Salt at 1,395', 1,535' and 1,573'.

## KENT

## KERADEC PETROLEUMS No. 8

Camden tp., lot 1, con. VI, Gore.

Co-ordinates: 400' S., 100' E. of c/1.

Elevation: 585' + 2'.

Driller: Mandley Drilling Contractors Ltd.

Completed: July 12, 1962.

Result: Gas and oil show, abandoned.

Reported Flow: 54 Mcf/d. 2 bbl/d. WHP. N.T.

Formation	Top	Thickness
Drift	2	54
Kettle Point	56	184
Hamilton	240	205
Dundee	445	78
Columbus	523	26
Detroit River	549	222
Bois Blanc	771	191
Bass Island	962	115
Salina	1,077	533
Salt beds—nil		
Top of A2—1,429		
Top of A1—1,546		
Guelph-Lockport	1,610	17
Total Depth:	1,627'	

Geologist: B. V. Sanford.

## Water

Fresh at 55'.

Sulphur at 585'.

## Gas

At 1,546' to 1,561'.

1,572' to 1,584'.

1,602' to 1,610'.

## Oil

At 1,602' to

1,610'.

## NORBLA OIL No. 6

Chatham tp., lot 4, con. XV.

Co-ordinates: 150' S., 350' W.

Elevation: 585' + 3'.

Driller: Mandley Drilling Contractors Ltd.

Completed: September 20, 1962.

Result: Oil and gas show, abandoned.

Formation	Top	Thickness
Drift	3	42
Kettle Point	45	245
Hamilton	290	198
Dundee	488	57
Columbus	545	38
Detroit River	583	253
Bois Blanc	836	185
Bass Island	1,021	113
Salina	1,134	593
Salt beds—nil		
Top of A2—1,515		
Top of A1—nil		
Guelph-Lockport	1,727	200
Rochester	1,927	34
Reynales	1,961	1
Cabot Head	1,962	103
Manitoulin	2,065	59
Queenston	2,124	309
Meaford-Dundas and Collingwood	2,433	366
Trenton	2,799	463
Coboconk	3,262	14
Gull River	3,276	451
Precambrian	3,727	14
Total Depth:	3,741'	

Geologist: B. V. Sanford and R. G. Quillian.

## Water

Fresh at 71'.

Sulphur at 598' and 625'.

Salt at 1,625'.

## Gas

Show at 2,810'.

## Oil

Show at 1,763'

to 1,767'.

BRITISH AMERICAN OIL No. 18

Dover tp., lot 11, con. IV E.

Co-ordinates: 150' S., 150' W.  
Elevation: 581' + 4'.  
Driller: Stubble and Stubble.  
Completed: January 17, 1962.  
Result: Gas show, abandoned.  
Reported Flow: 22 Mcf/d.

Formation	Top	Thickness
Drift	4	65
Kettle Point	69	20
Hamilton	89	227
Dundee	316	121
Columbus	437	41
Detroit River	478	194
Bois Blanc	672	208
Bass Island	880	168
Salina	1,048	640

Salt beds

From To  
1,385.....1,541

Top of A2—1,541

Top of A1—1,649

Guelph-Lockport	1,688	272
Rochester	1,960	25
Reynales	1,985	5
Cabot Head	1,990	106
Manitoulin	2,096	54
Queenston	2,150	275
Meaford-Dundas	2,425	325
Collingwood	2,750	130
Trenton	2,880	403
Black River	3,283	480
Trempealeau	3,763	13
Precambrian	3,776	21

Total Depth: 3,797'.

Geologist: B. V. Sanford.

Water

Fresh at 63'.  
Sulphur at 319'.  
Salt at 1,688'.

Gas

At 3,297' to 3,302'.

IMPERIAL OIL No. 812

Harwich tp., lot 23, con. VI R.T.S.

Co-ordinates: 1,348' N., 410' E.  
Elevation: 612' + 4'.  
Driller: Chevalier and Tremblay.  
Completed: June 14, 1962.  
Result: Gas show, abandoned.  
Reported Flow: 150 Mcf/d. WHP. 1,260 psig.

Formation	Top	Thickness
Drift	4	68
Kettle Point	72	76
Hamilton	148	245
Dundee	393	140
Columbus	533	17
Detroit River	550	177
Bois Blanc	727	136
Bass Island	863	380
Salina	1,243	510

Salt beds—nil

Top of A2—1,603

Top of A1—1,700

Guelph-Lockport	1,753	245
Rochester	1,998	19
Reynales	2,017	2
Cabot Head	2,019	111
Manitoulin	2,130	62
Queenston	2,192	345
Meaford-Dundas and Collingwood	2,537	490
Trenton	3,027	430
Black River	3,457	453
Trempealeau	3,910	36
Precambrian	3,946	24

Total Depth: 3,970'.

Geologist: B. V. Sanford.

Water

Fresh at 62'.  
Sulphur at 533'.  
Salt at 3,936'.

Gas

At 3,910' to 3,913'.

CAMERINA PETROLEUM No. 3

D'Clute No. 13—L.E.

Co-ordinates: 42° 13' 26" N., 82° 04' 38" W.  
Elevation: 572' + 22'.  
Driller: E. Hernandez.  
Completed: August 3, 1962.  
Result: Gas Producer.  
Reported Flow: 971 Mcf/d. WHP. 500 psig.

Formation	Top	Thickness
Lake	22	50
Drift	72	48
Hamilton	120	115
Dundee	235	149
Detroit River	384	386
Bass Island	770	170
Salina	940	454

Salt beds—nil

Top of A2—1,331

Guelph-Lockport	1,394	85
Total Depth:	1,479'.	

Geologist: W. E. Koepke.

Water

Black at 160'.  
Sulphur at 725'.

Gas

At 1,336' to 1,352'.  
1,422' to 1,445'.  
1,469' to 1,479'.

**Kent County—Continued****CONSOLIDATED WEST PETROLEUM No. 101**

L. E. No. 49

Co-ordinates: 42° 08' 47" N., 82° 17' 10" W.

Elevation: 572' + 22'.

Driller: Mandley Drilling Contractors Ltd.

Completed: June 9, 1962.

Result: Gas Producer.

Reported Flow: 360 Mcf/d. WHP. 325 psig.

Formation	Top	Thickness
Lake	22	38
Drift	60	72
Dundee	132	141
Detroit River	273	159
Bois Blanc	432	161
Bass Island	593	160
Salina	753	461
Salt beds—nil		
Top of A2—1,118		
Top of A1—1,188		
Guelph-Lockport	1,214	54
Total Depth:	1,268'	

Geologist: B. V. Sanford.

**Water**

Fresh at 120'.

Sulphur at 270' and 608'.

**Gas**

At 1,120' to 1,172'.

1,235' to 1,251'.

1,258' to 1,266'.

**CONSOLIDATED WEST PETROLEUM No. 103**

L. E. No. 50

Co-ordinates: 42° 08' 36" N., 82° 17' 44" W.

Elevation: 572' + 21'.

Driller: Mandley Drilling Contractors Ltd.

Completed: August 28, 1962.

Result: Gas Producer.

Reported Flow: 460 Mcf/d. WHP. 360 psig.

Formation	Top	Thickness
Lake	21	38
Drift	59	66
Dundee	125	133
Detroit River	258	151
Bois Blanc	409	195
Bass Island	604	165
Salina	769	484
Salt beds—nil		
Top of A2—1,100		
Top of A1—1,223		
Guelph-Lockport	1,253	40
Total Depth:	1,293'	

Geologist: B. V. Sanford.

**Water**

Fresh at 148'.

Sulphur at 435'.

**Gas**

At 1,145' to 1,202'.

1,287' to 1,293'.

**CONSOLIDATED WEST PETROLEUM No. 102**

M.L.O. No. 29

Co-ordinates: 42° 07' 45" N., 82° 06' 12" W.

Elevation: 572' + 21'.

Driller: E. Hernandez.

Completed: June 20, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Lake	21	69
Drift	90	85
Hamilton	175	100
Dundee	275	170
Columbus	445	25
Detroit River	470	98
Bois Blanc	568	185
Bass Island	753	172
Salina	925	450
Salt beds—nil		
Top of A2—1,293		
Top of A1—1,347		
Guelph-Lockport	1,375	59
Total Depth:	1,434'	

Geologist: B. V. Sanford.

**Water**

Fresh at 165'.

Salt and Sulphur at 682' and 732'.

Salt at 1,428'.

**Gas**

Show at 1,302' to 1,303'.

1,382', 1,403' to 1,408', and 1,425'.

**WALTER R. CRABTREE—No. 1**

Crabtree-Marathon No. 1—L. E. No. 1

Co-ordinates: 41° 52' 30" N., 82° 23' 49" W.

Elevation: 572' + 22'.

Driller: Mandley Drilling Contractors Ltd.

Completed: July 18, 1962.

Result: Gas and oil show, abandoned.

Reported Flow: 250 Mcf/d. WHP. N.T.

Formation	Top	Thickness
Lake	22	44
Drift	66	65
Dundee	131	90
Columbus	221	15
Detroit River	236	134
Bois Blanc	370	58
Bass Island	428	196
Salina	624	430
Salt beds—nil		
Top of A2— 971		
Top of A1—1,042		
Guelph-Lockport	1,054	26
Total Depth:	1,080'	

Geologist: R. G. Quillian.

**Water**

Fresh at 100'.

Salt at 1,080'.

**Gas**

At 1,073' to 1,080'.

**Oil**

Show at 1,073' to 1,080'.

**WALTER R. CRABTREE—No. 2**

Crabtree-Place No. 1—L. E. No. 2

Co-ordinates: 41° 50' 48" N., 82° 26' 20" W.

Elevation: 572' + 22'.

Driller: Mandley Drilling Contractors Ltd.

Completed: August 25, 1962.

Result: Gas Producer.

Reported Flow: 60 Mcf/d. WHP. 420 psig.

Formation	Top	Thickness
Lake	22	38
Drift	60	49
Dundee	109	103
Detroit River	212	148
Bois Blanc	360	70
Oriskany	430	20
Bass Island	450	141
Salina	591	426
Salt beds—nil		
Top of A2—948		
Top of A1—992		
Guelph-Lockport	1,017	50
Total Depth:	1,067'	

Geologist: R. G. Quillian.

Water	Gas
Black at 430'.	Show at 948' and 996'.
	At 1,030' to 1,067'.

**WALTER R. CRABTREE—No. 3**

L. E. No. 3

Co-ordinates: 41° 52' 30" N., 82° 24' 59" W.

Elevation: 572' + 22'.

Driller: Underwater Gas Developers and  
Mandley Drilling Contractors Ltd.

Completed: October 7, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Lake Erie	22	42
Drift	64	72
Dundee	136	79
Columbus	215	31
Detroit River	246	132
Bois Blanc	378	98
Bass Island	476	170
Salina	646	423
Salt beds—nil		
Top of A2—1,004		
Top of A1—nil		
Guelph-Lockport	1,069	61
Total Depth:	1,130'	
N.B.—Formerly known as Crabtree No. 2—L. E. No. 2.		

Geologist: W. E. Koepke.

Water
Fresh at 136'.
Sulphur at 500'.
Salt at 1,122'.

**UNION GAS CO. OF CANADA, LTD.**

Union Raleigh—L. E. No. 1

Co-ordinates: 42° 14' 52" N., 82° 03' 53" W.

Elevation: 572' + 20'.

Driller: Underwater Gas Developers Ltd., and  
Mandley Drilling Contractors Ltd.

Completed: July 20, 1962.

Result: Gas show, abandoned.

Reported Flow: 213 Mcf/d. WHP. 445 psig.

Formation	Top	Thickness
Lake	20	30
Drift	50	71
Hamilton	121	174
Dundee	295	145
Detroit River	440	117
Bois Blanc	557	195
Oriskany	752	32
Bass Island	784	162
Salina	946	475

From	To
1,312	1,351
Top of A2—1,358	
Top of A1— not reported.	
Guelph-Lockport	1,421 43
Total Depth:	1,464'.

Geologist: A. C. Newton.

Water	Gas
Sulphur at 490'.	Show at 1,460' to 1,464'.
Salt at 1,460'.	

**BLUEWATER OIL AND GAS No. 48**

Orford tp, lot 2, con. N.M.R.

Co-ordinates: 300' S., 300' W.

Elevation: 680' + 1'.

Driller: Demaray and Nichols.

Completed: January 13, 1962.

Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	1	290
Hamilton	291	179
Dundee	470	133
Columbus	603	12
Detroit River	615	11
Total Depth:	626'	

Geologist: B. V. Sanford.

Water	Oil
Fresh at 100'.	Show at 435'.
Sulphur at 620'.	

**Kent County—Continued****IBSEN COBALT SILVER MINES No. 6-A**

Orford tp., lot 24, con. X.

Co-ordinates: 265' N., 250' W.

Elevation: 721' + 1'.

Driller: Gilbert Evans.

Completed: July 25, 1962.

Result: Gas Producer.

Reported Flow: 13 Mcf/d. WHP, 677 psig.

Formation	Top	Thickness
Drift	1	262
Hamilton	263	189
Dundee	452	164
Columbus	616	31
Detroit River	647	192
Bois Blanc	839	308
Bass Island	1,147	159
Salina	1,306	482

Salt beds—nil

Top of A2—1,660

Top of A1—1,740

Guelph-Lockport	1,788	257
Rochester	2,045	31
Reynales	2,076	5
Cabot Head	2,081	6

Total Depth: 2,087'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 140', 185' and 250'.	Show at 1,739' to 1,745'.
Black at 620'.	At 1,750' to 1,756' and
Salt at 1,786', 2,025', and	1,757' to 1,760'.
2,031'.	

**IMPERIAL OIL No. 808**

Orford tp., lot 55, con. N.T.R.

Co-ordinates: 330' N. along N.W. lot line, 669' E.

Elevation: 649' + 14'.

Driller: Union Rotary.

Completed: March 31, 1962.

Result: Oil Producer.

Reported Flow: 125 Mcf/d. 100 bbl/d. WHP, N.R.

Formation	Top	Thickness
Drift	14	206
Hamilton	220	130
Dundee	350	165
Columbus	515	20
Detroit River	535	145
Bois Blanc	680	235
Bass Island	915	175
Salina	1,090	502

Salt beds—nil

Top of A2—1,495

Top of A1—1,575

Guelph-Lockport	1,592	280
Rochester	1,872	36
Irondequoit	1,908	7
Cabot Head	1,915	127
Manitoulin	2,042	29
Queenston	2,071	359
Meaford-Dundas and Collingwood	2,430	641
Trenton	3,071	447
Black River	3,518	437
Trempealeau	3,955	93
Eau Claire	4,048	11
Arkose	4,059	4
Precambrian	4,063	23

Total Depth: 4,086'

Geologist: J. A. Pounder.

Water	Gas	Oil
Salt at 3,980',	At 1,580' to 1,640',	At 3,946' to
3,986' and 4,045'.	Show at 3,946' to	3,986'.
	3,986'.	

**IMPERIAL OIL No. 814**

Orford tp., lot 54, con. N.T.R.

Co-ordinates: 1,250' N. // to W. lot line, 570' E.

Elevation: 649' + 4'.

Driller: W. Shaw.

Completed: July 24, 1962.

Result: Oil Producer.

Reported Flow: (a) 76 Mcf/d. WHP, N.R.

(b) 78 Mcf/d. 760 bbl/d. WHP, N.R.

Formation	Top	Thickness
Drift	4	158
Hamilton	162	180
Dundee	342	172
Columbus	514	7
Detroit River	521	167
Bois Blanc	688	231
Bass Island	919	217
Salina	1,136	460

Salt beds—nil

Top of A2—1,477

Top of A1—1,555

Guelph-Lockport	1,596	274
Rochester	1,870	28
Reynales	1,898	2
Dyer Bay	1,900	6
Cabot Head	1,906	96
Manitoulin	2,002	52
Queenston	2,054	415
Meaford-Dundas and Collingwood	2,469	591
Trenton	3,060	446
Black River	3,506	428
Cambrian	3,934	16

Total Depth: 3,950'

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 146' and	At 1,587' to	At 3,944' to
525'.	1,620' (a).	3,950' (b).
Sulphur at 745'.	At 3,938' to	
Salt at 1,623'.	3,944' (b).	

**IMPERIAL OIL NO. 822**

Orford tp., lot 53, con. N.T.R.

Co-ordinates: 2,179' N. along lot line, 793' W.  
Elevation: 651' + 4'.  
Driller: Wallace Shaw.  
Completed: October 12, 1962.  
Result: Oil Producer.  
Reported Flow: 500 Mcf/d. 17 bbl/d. WHP. N.R.

Formation	Top	Thickness
Drift	4	171
Hamilton	175	173
Dundee	348	171
Columbus	519	10
Detroit River	529	156
Bois Blanc	685	248
Bass Island	933	233
Salina	1,166	439

Salt beds—nil

Top of A2—1,493

Top of A1—1,575

Guelph-Lockport	1,605	269
Rochester	1,874	28
Cabot Head	1,902	113
Manitoulin	2,015	49
Queenston	2,064	372
Meaford-Dundas and Collingwood	2,436	621
Trenton	3,057	432
Black River	3,489	443
Cambrian	3,932	33
Total Depth:	3,965'	

Geologist B. V. Sanford.

Water	Gas	Oil
Sulphur at 507' and 587'.	Show at 3,934'.	At 3,949'.
Salt at 1,618' and 3,965'.	At 3,937' to 3,941'.	

**IMPERIAL OIL No. 823**

Orford tp., lot 53, con. N.T.R.

Co-ordinates: 514' N. along lot line, 779' W.  
Elevation: 646' + 4'.  
Driller: L. O. Patterson.  
Completed: October 14, 1962.  
Result: Oil Producer.  
Reported Flow: (a) 1 MMcf/d. WHP. N.R.  
(b) 122 Mcf/d. 110 bbl/d. WHP. N.R.

Formation	Top	Thickness
Drift	4	148
Hamilton	152	211
Dundee	363	150
Columbus	513	16
Detroit River	529	163
Bois Blanc	692	263
Bass Island	955	173
Salina	1,128	466

Salt-beds—nil

Tops of A2—1,372 and 1,481

Top of A1—1,553

Guelph-Lockport	1,594	266
Rochester	1,860	43
Reynales	1,903	1
Cabot Head	1,904	123
Manitoulin	2,027	28
Queenston	2,055	365
Meaford-Dundas and Collingwood	2,420	637
Trenton	3,057	446
Black River	3,503	430
Cambrian	3,933	21
Total Depth:	3,964'	

Geologist B. V. Sanford.

Water	Gas	Oil
Sulphur at 529'.	At 917' to 923' (a).	At 3,949' to
Sulphur and Salt	3,945' to 3,946' (b).	3,954' (b).
at 917'.		
Salt at 1,615'.		

## Kent County—Continued

## TOBACCO ROAD OIL No. 1

Orford tp., lot 55, con. S.T.R.

Co-ordinates: 850' S., 800' W.  
 Elevation: 645' + 4'.  
 Driller: Stubble and Stubble.  
 Completed: February 12, 1962.  
 Result: Oil Producer.

Reported Flow: 465 Mcf/d, 120 bbl/d, WHP, 600 psig.

Formation	Top	Thickness
Drift	4	221
Hamilton	225	115
Dundee	340	180
Detroit River	520	152
Bois Blanc	672	241
Bass Island	913	227
Salina	1,140	464
Salt beds—nil		
Top of A2—1,475		
Top of A1—1,576		
Guelph-Lockport	1,604	259
Rochester	1,863	52
Cabot Head	1,915	118
Manitoulin	2,033	23
Queenston	2,056	414
Meaford-Dundas	2,470	394
Collingwood	2,864	190
Trenton	3,054	451
Black River	3,505	435
Trempealeau	3,940	23
Total Depth		3,963'

Geologist: B. V. Sanford.

Water	Gas	Oil
Sulphur at 520'.	Show at 1,576' to	Show at 3,954' to
Salt at 1,582' and	1,582'.	3,958'.
1,627'.	At 1,610' to 1,618'.	At 3,958' to 3,963'.

## TOBACCO ROAD OIL No. 2

Orford tp., lot 55, con. S.T.R.

Co-ordinates: 2,801' S. along East lot line, 568' W.  
 Elevation: 644' + 4'.  
 Driller: Stubble and Stubble.  
 Completed: May 16, 1962.  
 Result: Gas and oil show, abandoned.  
 Reported Flow: 20 Mcf/d.

Formation	Top	Thickness
Drift	4	159
Hamilton	163	188
Dundee	351	143
Columbus	494	37
Detroit River	531	169
Bois Blanc	700	244
Bass Island	944	193
Salina	1,137	458
Salt beds—nil		
Top of A2—1,486		
Top of A1—1,558		
Guelph-Lockport	1,595	266
Rochester	1,861	39
Reynales	1,900	5
Cabot Head	1,905	121
Manitoulin	2,026	40
Queenston	2,066	394
Meaford-Dundas and Collingwood	2,460	610
Trenton	3,070	439
Black River	3,509	441
Cambrian	3,950	27
Total Depth		3,977'

Geologist: B. V. Sanford.

Water	Gas	Oil
Sulphur at 521'	Show at 1,580' to	Show at 3,951'
and 936'.	1,585', 1,613'	To 3,956'.
Salt at 1,613' and	to 1,621' and	
3,959'.	3,951' to 3,956'.	

TOBACCO ROAD OIL No. 3

Orford tp., lot 54, con. S.T.R.

Co-ordinates: 397' S. parallel to N.S. lot line, 670' E.  
Elevation: 645' + 5'.  
Driller: Stubble and Stubble.  
Completed: August 3, 1962.  
Result: Oil Producer.  
Reported Flow: 150 bbl/d.

Formation	Top	Thickness
Drift.....	5	150
Hamilton.....	155	201
Dundee.....	356	169
Columbus.....	525	14
Detroit River.....	539	169
Bois Blanc.....	708	216
Bass Island.....	924	209
Salina.....	1,133	450
Salt beds—nil		
Top of A2—1,478		
Top of A1—1,565		
Guelph-Lockport.....	1,583	277
Rochester.....	1,860	44
Cabot Head.....	1,904	126
Manitoulin.....	2,030	28
Queenston.....	2,058	402
Meaford-Dundas and Collingwood.....	2,460	600
Trenton.....	3,060	448
Black River.....	3,508	421
Cambrian.....	3,929	26
Total Depth:.....	3,955'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Sulphur at 535' and 915'.	Show at 1,607'.	At 3,948' to 3,956'.
Salt at 1,619'.		

TOBACCO ROAD OIL No. 4

Orford tp., lot 56, con. S.T.R.

Co-ordinates: 395' S. parallel to lot line, 574' W.  
Elevation: 647' + 5'.  
Driller: Stubble and Stubble.  
Completed: October 25, 1962.  
Result: Oil Producer.  
Reported Flow: 1.2 MMcf/d. 165 bbl/d. WHP. N.R.

Formation	Top	Thickness
Drift.....	5	155
Hamilton.....	160	176
Dundee.....	336	164
Columbus.....	500	39
Detroit River.....	539	111
Bois Blanc.....	650	233
Bass Island.....	883	245
Salina.....	1,128	461
Salt beds—nil		
Top of A2—1,480		
Top of A1—1,577		
Guelph-Lockport.....	1,589	278
Rochester.....	1,867	38
Dyer Bay.....	1,905	5
Cabot Head.....	1,910	118
Manitoulin.....	2,028	35
Queenston.....	2,063	361
Meaford-Dundas and Collingwood.....	2,424	637
Trenton.....	3,061	446
Black River.....	3,507	431
Cambrian.....	3,938	20
Total Depth:.....	3,958'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Sulphur at 750'.	Show at 1,485'.	Show at 3,951'.
Salt at 1,624' and 1,764'.	At 1,610' to 1,627', Show at 3,951'.	At 3,952' to 3,958'.

GEORGE NEWHAM No. 1

Raleigh tp., lot 2, con. VII.

Co-ordinates: 302' N., 475' W.  
Elevation: 593' + 1'.  
Driller: George Newham.  
Completed: January 6, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	1	106
Kettle Point.....	107	23
Hamilton.....	130	170
Total Depth:.....	300'	

Geologist: B. V. Sanford.

Water
Fresh at 90'.



## Kent County—Continued

C. W. WHITMER—No. 2

Romney tp., lot 188, con. N.T.R.

Co-ordinates: 250' N., 475' E.

Elevation: 632' + 3'.

Driller: Rawlings Drilling Co., Ltd.

Completed: June 11, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	3	157
Dundee	160	153
Detroit River	313	137
Bois Blanc	450	125
Bass Island	575	287
Salina	862	425
Salt beds—nil		
Top of A2—1,184		
Top of A1—1,255		
Guelph-Lockport	1,287	371
Rochester	1,658	31
Reynales	Trace	
Dyer Bay	1,689	10
Cabot Head	1,699	101
Manitoulin	1,800	60
Queenston	1,860	330
Meaford-Dundas and Collingwood	2,190	525
Trenton	2,715	355
Black River	3,070	506
Trempealeau	3,576	33
Total Depth:	3,609'	

Geologist: B. V. Sanford.

## Water

Fresh at 168'.

Sulphur at 420' and 1,356'.

Salt at 1,434' and 3,581'.

## Gas

Show at 1,215'.

IMPERIAL OIL No. 800

Zone tp., lot 4, con. IV.

Co-ordinates: 500' N., 1,600' W.

Elevation: 631' + 4'.

Driller: Stubble and Stubble.

Completed: February 13, 1962.

Result: Gas and oil show, abandoned.

Reported Flow: 2 bbl/d.

Formation	Top	Thickness
Drift	2	133
Hamilton	135	140
Dundee	275	145
Columbus	420	24
Detroit River	444	213
Bois Blanc	657	246
Bass Island	903	199
Salina	1,102	771

## Salt beds

From	To
1,468	1,609

Top of A2—1,609

Top of A1—1,741

Guelph-Lockport	1,873	149
Rochester	2,022	28
Reynales	2,050	3
Cabot Head	2,053	115
Manitoulin	2,168	42
Queenston	2,210	338
Meaford-Dundas	2,548	369
Collingwood	2,917	142
Trenton	3,059	455
Black River	3,514	437
Trempealeau	3,951	29
Precambrian	3,980	11
Total Depth:	3,991'	

Geologist: B. V. Sanford.

## Water

Fresh at 12' and 85'.

Sulphur at 420'.

## Gas

Show at 3,966' to 3,971'.

## Oil

Show at 3,966' to 3,971'.

IMPERIAL OIL No. 819  
Zone tp., lot 3, con. Gore.

Co-ordinates: 735' N. along lot line, 350' W.  
Elevation: 617' + 5'.  
Driller: Stubble and Stubble.  
Completed: October 19, 1962.  
Result: Gas and oil show, abandoned.  
Reported Flow: 18 Mcf/d. 2 bbl/d.

Formation	Top	Thickness
Drift	5	69
Hamilton	74	233
Dundee	307	137
Columbus	444	42
Detroit River	486	178
Bois Blanc	664	252
Bass Island	916	152
Salina	1,068	753
Salt beds		
From	To	
1,442	1,617	
Top of A2—1,617		
Top of A1—1,730		
Guelph-Lockport	1,821	178
Rochester	1,999	31
Reynales	2,030	3
Cabot Head	2,033	135
Manitoulin	2,168	32
Queenston	2,200	335
Meaford-Dundas and Collingwood	2,535	512
Trenton	3,047	456
Black River	3,503	438
Trempealeau	3,941	26
Eau Claire	3,967	13
Precambrian	3,980	7
Total Depth:	3,987'	

Geologist: B. V. Sanford.

**Water**                      **Gas**                      **Oil**  
Sulphur at 370', 477'    Show at 3,495'.    At 3,954' to  
and 1,829'.                      At 3,950' to 3,954'.    3,970'.

LAMBTON

COLONIAL PETROLEUM No. 22  
Dawn tp., lot 29, con. VII.

Co-ordinates: 925' S., 150' E.  
Elevation: 657' + 3'.  
Driller: Mandley Drilling Contractors Ltd.  
Completed: June 13, 1962.  
Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	3	48
Kettle Point	51	65
Hamilton	116	243
Dundee	359	79
Columbus	438	27
Detroit River	465	283
Bois Blanc	748	152
Bass Island	900	139
Salina	1,039	864
Salt beds		
From	To	
1,388	1,616	
Top of A2—1,616		
Top of A1—1,785		
Guelph-Lockport	1,903	144
Rochester	2,047	5
Total Depth:	2,052'	

Geologist: B. V. Sanford.

**Water**                      **Oil**  
Fresh at 51'.                      Show at 1,908' and 1,939'.  
Sulphur at 408'.

COLONIAL PETROLEUM No. 23  
Dawn tp., lot 12, con. VI.

Co-ordinates: 1000' S., 150' E.  
Elevation: 656' + 3'.  
Driller: Rawlings Drilling Co., Ltd.  
Completed: October 19, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	3	63
Kettle Point	66	41
Hamilton	107	252
Dundee	359	79
Columbus	438	10
Detroit River	448	318
Bois Blanc	766	161
Bass Island	927	143
Salina	1,070	883
Salt beds		
From	To	
1,365	1,595	
1,765	1,805	
Top of A2—1,595		
Top of A1—1,805		
Guelph-Lockport	1,953	107
Rochester	2,060	15
Total Depth:	2,075'	

Geologist: B. V. Sanford.

**Water**  
Fresh at 65'.  
Salt at 405'.

E. R. McGAFFEY No. 13  
Dawn tp., lot 19, con. XIII.

Co-ordinates: 475' N., 369' E.  
Elevation:  
Driller: E. R. McGaffey.  
Completed: August 16, 1962.  
Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	0	38
Hamilton	38	189
Dundee	227	109
Columbus	336	49
Total Depth:	385'	

Geologist: B. V. Sanford.

Water	Oil
Fresh at 38'.	Show at 237' and 328' to
Mineral at 359'.	338'.
Salt at 375'.	

PHELAN AND McCLUSKY No. 4  
Dawn tp., lot 22, con. IX.

Co-ordinates: 760' S., 575' W.  
Elevation: 650' + 1'.  
Driller: J. Nemeck.  
Completed: August 3, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	53
Kettle Point	54	86
Hamilton	140	251
Dundee	391	85
Columbus	476	18
Total Depth:	494'	

Geologist: B. V. Sanford.

**Water**  
Fresh at 54'.  
Sulphur at 483'.

## Lambton County—Continued

## SALINA GAS AND OIL No. 3

Dawn tp., lot 26, con. XII.

Co-ordinates: 150' N., 830' W.  
 Elevation: 661' + 3'.  
 Driller: Mandley Drilling Contractors Ltd.  
 Completed: August 17, 1962.  
 Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	3	42
Kettle Point	45	105
Hamilton	150	268
Dundee	418	62
Columbus	480	70
Detroit River	550	265
Bois Blanc	815	179
Bass Island	994	103
Salina	1,097	723

## Salt beds

From	To
1,422	1,526
1,666	1,675

Top of A2—1,526

Top of A1—1,675

Guelph-Lockport	1,820	127
Rochester	1,947	3
Total Depth:	1,950'	

Geologist: B. V. Sanford.

Water	Oil
Sulphur at 45' and 500'	Show at 1,684'.
Salt at 1,837'.	

## SALINA GAS AND OIL No. 4

Dawn tp., lot 21, con. II.

Co-ordinates: 1,000' S., 175' E.  
 Elevation: 625' + 4'.  
 Driller: Mandley Drilling Contractors Ltd.  
 Completed: November 28, 1962.  
 Result: Gas Producer.  
 Reported Flow: 510 Mcf/d. WHP. 640 psig.

Formation	Top	Thickness
Drift	4	66
Kettle Point	70	246
Hamilton	316	232
Dundee	548	67
Columbus	615	20
Detroit River	635	291
Bois Blanc	926	231
Bass Island	1,157	140
Salina	1,297	570

## Salt beds—nil

Top of A2—1,645

Top of A1—1,770

Guelph-Lockport	1,867	48
Total Depth:	1,915'	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 70'	At 1,666' to 1,677'.
Sulphur at 645'	1,774' to 1,777'.
Salt at 1,666'	1,782' to 1,792'.
	1,887' to 1,900'.

## SALINA GAS AND OIL No. 5

Dawn tp., lot 23, con. II.

Co-ordinates: 1,263' S., 467' E.  
 Elevation: 628' + 3'.  
 Driller: Rawlings Drilling Co., Ltd.  
 Completed: December 21, 1962.  
 Result: Oil Producer.  
 Reported Flow: 144 bbl/d. WHP. 600 psig.

Formation	Top	Thickness
Drift	3	67
Kettle Point	70	205
Hamilton	275	215
Dundee	490	77
Columbus	567	48
Detroit River	615	255
Bois Blanc	870	113
Bass Island	983	152
Salina	1,135	804

## Salt beds

From	To
1,461	1,638
1,765	1,815

Top of A2—1,638

Top of A1—1,815

Guelph-Lockport	1,939	24
Total Depth:	1,963'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 68'.	Show at 1,945'	Show at 1,945'
Sulphur at 626' and 690'.	to 1,948'.	to 1,948'.
		At 1,948' to 1,959'.

## R. J. BRENNAN No. 6

Enniskillen tp., lot 12, con. XII.

Co-ordinates: 2,150' S., 1,650' W.  
 Elevation:  
 Driller: Hussey & Son.  
 Completed: July 2, 1962.  
 Result: Oil Producer.  
 Reported Flow: 3 bbl/d.

Formation	Top	Thickness
Drift	0	96
Hamilton	96	230
Dundee	326	—
Detroit River	—	139
Total Depth:	465'	

Geologist: Driller's Log.

Water	Oil
Fresh at 96'.	Show at 450' to 465'.
Sulphur at 410'.	

## R. J. BRENNAN No. 7

Enniskillen tp., lot 12, con. XII.

Co-ordinates: 1,550' S., 1,650' W.  
 Elevation:  
 Driller: G. G. Hussey.  
 Completed: September 21, 1962.  
 Result: Oil Producer.  
 Reported Flow: 7 bbl/d.

Formation	Top	Thickness
Drift	0	91
Hamilton	91	249
Dundee	340	100
Detroit River	440	32
Total Depth:	472'	

Geologist: B. V. Sanford.

Water	Oil
Fresh at 91'.	At 395' to 460'.

**R. J. BRENNAN No. 8**

Enniskillen tp., lot 12, con. XII.

Co-ordinates: 1,850' S., 1,350' W.

Elevation:

Driller G. G. Hussey.

Completed: December 27, 1962.

Result: Oil Producer.

Reported Flow: 3 bbl/d.

Formation	Top	Thickness
Drift	0	102
Hamilton	102	236
Dundee, Columbus and Detroit River	338	140
Total Depth:	478'	

Geologist: Driller's Log.

Water	Oil
Fresh at 18' and 96'.	At 370' to 478'.

**V. E. deMERS No. 36 (T-3)**

Enniskillen tp., lot 13, con. XI.

Co-ordinates: 745' S., 365' E.

Elevation:

Driller: V. E. deMers.

Completed: August 29, 1962.

Result: Oil Producer. (Secondary Recovery)

Reported Flow: Not reported.

Formation	Top	Thickness
Drift	0	90
Hamilton	90	228
Dundee	318	—
Detroit River	—	167
Total Depth:	485'	

Geologist: Driller's Log.

Water	Oil
Salt 390'.	At 400' to 485'.

**IMPERIAL OIL No. 805**

Enniskillen tp., lot 20, con. V.

Co-ordinates: 70' S., 570' E.

Elevation: 664' + 2'.

Driller: Heath & Sherwood Drilling Co., Ltd.

Completed: March 9, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	2	73
Samples missing	75	325
Dundee	400	85
Detroit River	485	315
Bois Blanc	800	148
Bass Island	948	92
Salina	1,040	799
Salt beds		
From	To	
1,340	1,386	
1,472	1,734	
Top of A2—1,734		
Top of A1—		
Total Depth:	1,839'	

Geologist: E. A. James.

Water
Not Reported.

**IMPERIAL OIL No. 830**

Enniskillen tp., lot 17, con. II.

Co-ordinates: 694 N., 491' W.

Elevation: 661' + 2'.

Driller: L. O. Patterson Drilling Co., Ltd.

Completed: November 15, 1962.

Result: Oil show. (Core Test)

Formation	Top	Thickness
Drift	2	53
Hamilton	55	200
Dundee	255	82
Detroit River	337	69
Total Depth:	406'	

Geologist: J. V. Hill.

Water	Oil
Fresh at 260'	Show at 260'.

**IMPERIAL OIL No. 831**

Enniskillen tp., lot 18, con. I.

Co-ordinates: 720' S., 334' E.

Elevation: 662' + 1'.

Driller: L. O. Patterson Drilling Co., Ltd.

Completed: November 23, 1962.

Result: Dry hole, abandoned. (Core Test)

Formation	Top	Thickness
Drift	1	31
Hamilton	32	227
Dundee	259	85
Detroit River	334	95
Total Depth:	439'	

Geologist: J. V. Hill.

Water
Sulphur at 270'.

**UNION GAS—ENNISKILLEN No. 38**

Enniskillen tp., lot 3, con. VIII.

Co-ordinates: 1,200' S., 600' E.

Elevation: 642' + 1'.

Driller: H. W. Meier.

Completed: January 8, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	1	65
Kettle Point	66	22
Hamilton	88	276
Dundee	364	96
Detroit River	460	334
Bois Blanc	794	171
Bass Island	965	155
Salina	1,120	1,087
Salt beds		
From	To	
1,277	1,345	
1,430	1,465	
1,578	1,850	
1,989	2,063	
Top of A2—1,850		
Top of A1—2,073		
Guelph-Lockport	2,207	107
Rochester	2,314	18
Total Depth:	2,332'	

Geologist: B. V. Sanford.

Water	Gas
Sulphur at 490' and 1,134'.	Show at 370' to 375'.

## Lambton County—Continued

## UNION GAS—ENNISKILLEN No. 39

Enniskillen tp., lot 3, con. IV.

Co-ordinates: 150° S., 169° E.

Elevation: 646' + 1'.

Driller: H. W. Meier.

Completed: March 20, 1962.

Result: Gas and oil show, abandoned.

Formation	Top	Thickness
Drift	1	70
Kettle Point	71	98
Hamilton	169	245
Dundee	414	97
Detroit River	511	341
Bois Blanc	852	138
Bass Island	990	115
Salina	1,105	1,018

## Salt beds

From	To
1,380	1,415
1,491	1,758
1,894	1,980

Top of A2—1,758

Top of A1—1,980

Guelph-Lockport	2,123	122
Total Depth:	2,245'	

Geologist: B. V. Sanford.

Water	Gas	Oil
Sulphur at 535'.	Show at 248' to 251' and 2,131' to 2,138'.	Show at 2,131' to 2,138'.

## UNION GAS—ENNISKILLEN No. 40

Enniskillen tp., lot 2, con. VIII.

Co-ordinates: 1,200° S., 200° E.

Elevation: 610' + 3'.

Driller: H. W. Meier.

Completed: April 27, 1962.

Result: Gas Producer.

Reported Flow: 10,901 Mcf/d. WHP. 767 psig.

Formation	Top	Thickness
Drift	3	37
Kettle Point	40	53
Hamilton	93	254
Dundee	347	98
Detroit River	445	325
Bois Blanc	770	175
Bass Island	945	97
Salina	1,042	792

## Salt beds

From	To
1,245	1,295
1,397	1,420
1,602	1,723

Top of A2—1,723

Top of A1—1,824

Guelph-Lockport	1,834	150
Total Depth:	1,984'	

Geologist: B. V. Sanford.

Water	Gas
Sulphur at 480'.	At 1,900' to 1,935', 1,941' to 1,984'.

## C. W. WHITMER No. 3

Enniskillen tp., lot 27, con. IX.

Co-ordinates: 1,600° N., 250° E.

Elevation: 677' + 2'.

Driller: Mandley Drilling Contractors Ltd.

Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	2	103
Kettle Point	105	5
Hamilton	110	235
Dundee	345	94
Detroit River	439	41
Total Depth:	480'	

Geologist: R. G. Quillian.

Water	Oil
Fresh at 58'.	Show at 423' to 433'.
Sulphur at 393' and 475'.	446' to 450' and 460' to 470'.

## UNION GAS—ARMSTRONG No. 1

Euphemia tp., lot 34, con. II.

Co-ordinates: 200° N. of c/l., 100° W.

Elevation: 674' + 5'.

Driller: H. W. Meier.

Completed: July 24, 1962.

Result: Gas show, abandoned.

Reported Flow: 79 Mcf/d. WHP. N.T.

Formation	Top	Thickness
Drift	5	41
Kettle Point	46	74
Hamilton	120	249
Dundee	369	61
Columbus	430	59
Detroit River	489	255
Bois Blanc	744	162
Bass Island	906	115
Salina	1,021	814

## Salt beds

From	To
1,323	1,564

Top of A2—1,564

Top of A1—1,710

Guelph-Lockport	1,835	142
Rochester	1,977	18
Total Depth:	1,995'	

Geologist: B. V. Sanford.

Water	Gas
Sulphur at 503'.	At 1,713 to 1,995'.
Salt at 1,850'.	

UNION GAS—DAMPHOUSE No. 1

Euphemia tp., lot 34, con. III.

Co-ordinates: 500' S., 100' W. of c/l.  
Elevation: 672' + 4'.  
Driller: H. W. Meier.  
Completed: June 6, 1962.  
Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	4	71
Kettle Point.....	75	47
Hamilton.....	122	238
Dundee.....	360	70
Columbus.....	430	55
Detroit River.....	485	277
Bois Blanc.....	762	128
Bass Island.....	890	120
Salina.....	1,010	842

Salt beds

From To  
1,332.....1,563

Top of A2—1,563

Top of A1—1,728

Guelph-Lockport.....	1,852	114
Rochester.....	1,966	29

Total Depth:..... 1,995'.

Geologist: B. V. Sanford.

Water

Fresh at 60'.  
Sulphur at 502'.  
Salt at 1,880'.

CANADIAN OIL No. 3

Moore tp., lot 68, con. River Front.

Co-ordinates: 50' N., 2,210' E.  
Elevation: 604' + 12'.  
Driller: Union Rotary of Canada Ltd.  
Completed: May 29, 1962.  
Result: Salt Water Disposal Well.

Formation	Top	Thickness
Drift.....	12	118
Port Lambton.....	130	80
Kettle Point.....	210	130
Hamilton.....	340	260
Dundee.....	600	118
Detroit River.....	718	232
Total Depth:.....	950'	

Geologist: B. V. Sanford.

Water

Not recorded.

IMPERIAL OIL No. 815

Moore tp., lot 19, con. X.

Co-ordinates: 1,640' S., 200' E.  
Elevation: 648' + 4'.  
Driller: R. I. Patterson.  
Completed: July 20, 1962.  
Result: Gas and Oil Producer.  
Reported Flow: 630 Mcf/d. 75 bbl/d. WHP. 283 psig.

Formation	Top	Thickness
Drift.....	4	137
Kettle Point.....	141	80
Hamilton.....	221	279
Dundee.....	500	116
Detroit River.....	616	389
Bois Blanc.....	1,005	71
Bass Island.....	1,076	183
Salina.....	1,259	1,196

Salt beds

From To  
1,379.....1,443  
1,487.....1,544  
1,579.....1,627  
1,723.....1,755  
1,823.....2,123  
2,282.....2,307

Top of A2—2,123

Top of A1—2,307

Guelph-Lockport.....	2,455	102
Rochester.....	2,557	4

Total Depth:..... 2,561'.

Geologist: B. V. Sanford.

Water

Fresh at 139'.  
Sulphur at 624'.  
At 2,320' to 2,324',  
2,329 to 2,345'  
and 2,380' to  
2,404'.  
At 2,404' to  
2,534'.

Gas

Oil

IMPERIAL OIL No. 833

Moore tp., lot 2, con. XII.

Co-ordinates: 1,375' S., 150' W.  
Elevation: 655' + 1'.  
Driller: L. O. Patterson Drilling Co., Ltd.  
Completed: December 12, 1962.  
Result: Dry hole. (Core Test)

Formation	Top	Thickness
Drift.....	1	145
Hamilton.....	146	232
Dundee.....	378	97
Detroit River.....	475	15
Total Depth:.....	490'	

Geologist: J. V. Hill.

## Lambton County—Continued

## UNION GAS—BOGAERT No. 1

Moore tp., lot 4, con. I

Co-ordinates: 2,250' N., 750' W.  
 Elevation: 620' + 4'.  
 Driller: H. W. Meier.  
 Completed: June 22, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	66
Kettle Point	70	100
Hamilton	170	250
Dundee	420	85
Detroit River	505	367
Bois Blanc	872	93
Bass Island	965	155
Salina	1,120	964

## Salt beds

From	To
1,376	1,393
1,476	1,740
1,870	1,960

Top of A2—1,740

Top of A1—1,960

Guelph-Lockport	2,084	126
Rochester	2,210	16
Total Depth:	2,226'	

Geologist: B. V. Sanford.

## Water

Sulphur at 430'.

## UNION GAS—WALKER No. 2

Moore tp., lot 2, con. I.

Co-ordinates: 2,000' S., 400' W.  
 Elevation: 621' + 5'.  
 Driller: H. W. Meier.  
 Completed: August 29, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	5	61
Kettle Point	66	74
Hamilton	140	237
Dundee	377	117
Columbus	494	12
Detroit River	506	274
Bois Blanc	780	160
Bass Island	940	153
Salina	1,093	987

## Salt beds

From	To
1,344	1,368
1,463	1,722
1,858	1,929

Top of A2—1,722

Top of A1—1,930

Guelph-Lockport	2,080	99
Rochester	2,179	16
Total Depth:	2,195'	

Geologist: B. V. Sanford.

## Water

Sulphur at 387'.

## IMPERIAL OIL No. 803

Plympton tp., lot 14, con. III.

Co-ordinates: 800' N., 450' W.  
 Elevation: 628' + 4'.  
 Driller: H. W. Meier.  
 Completed: August 11, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	64
Kettle Point	68	59
Hamilton	127	273
Dundee	400	98
Detroit River	498	331
Bois Blanc	829	144
Bass Island	973	137
Salina	1,110	1,000

## Salt beds

From	To
1,365	1,408
1,478	1,750
1,891	1,973

Top of A2—1,750

Top of A1—1,973

Guelph-Lockport	2,110	99
Rochester	2,209	22
Total Depth:	2,231'	

Geologist: B. V. Sanford and A. C. Newton.

## Water

Fresh at 70'.

Sulphur at 514'.

Co-ordinates: 950' S., 790' E.  
 Elevation: 696' + 4'.  
 Driller: W. R. Kiser and Son.  
 Completed: February 23, 1952.  
 Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	4	108
Kettle Point	112	70
Hamilton	182	288
Dundee	470	101
Detroit River	571	395
Bois Blanc	966	117
Bass Island	1,083	160
Salina	1,243	1,199

## Salt beds

From	To
1,429	1,460
1,484	1,560
1,648	1,688
1,778	1,807
1,831	2,052
2,192	2,298

Top of A2—2,052

Top of A1—2,298

Guelph-Lockport	2,442	75
Rochester	2,517	24
Total Depth:	2,541'	

Geologist: B. V. Sanford.

## Water

Sulphur at 596'.

## Gas

Show at 115'.

**IMPERIAL OIL No. 810**

Plympton tp., lot 1, Con. III.

Co-ordinates: 1,800' S., 1,110' E.  
Elevation: 645' + 1'.  
Driller: Heath & Sherwood Drilling Limited.  
Completed: July 4, 1962.  
Result: Dry hole, abandoned. (Structure Test)

Formation	Top	Thickness
Drift.....	1	135
Hamilton.....	136	252
Dundee.....	388	107
Detroit River.....	495	345
Bois Blanc.....	840	185
Bass Island.....	1,025	135
Salina.....	1,160	1,048
Salt beds		
From	To	
1,330.....	?	
1,522.....	1,590	
1,680.....	1,735	
1,808.....	2,108	
Top of A2—2,108		
Top of A1—Not Reached		
Total Depth:.....	2,208'	

Geologist: E. A. James and C. J. Hadley.

**Water**

Not recorded.

**IMPERIAL OIL No. 835**

Plympton tp., lot 6, con. II.

Co-ordinates: 1,375' S., 555' W.  
Elevation: 690' + 2'.  
Driller: L. O. Patterson.  
Completed: December 22, 1962.  
Result: Dry hole. (Core Test)

Formation	Top	Thickness
Drift.....	2	172
Hamilton.....	174	244
Dundee.....	418	113
Detroit River.....	531	4
Total Depth:.....	535'	

Geologist: J. V. Hill.

**Water**

Fresh at 180'.

**IMPERIAL OIL No. 826**

Sarnia tp., lot 2, con. VI.

Co-ordinates: 1010' N., 250' E.  
Elevation: 618' + 2'.  
Driller: L. O. Patterson.  
Completed: November 3, 1962.  
Result: Dry hole. (Core Test)

Formation	Top	Thickness
Drift.....	2	109
Hamilton.....	111	242
Dundee.....	353	108
Total Depth:.....	461'	

Geologist: J. V. Hill.

**IMPERIAL OIL No. 804**

Sombra tp., lot 29, con. V.

Co-ordinates: 1,650' S., 495' W.  
Elevation: 601' + 4'.  
Driller: L. O. Patterson.  
Completed: March 19, 1962.  
Result: Gas show, abandoned.

Formation	Top	Thickness
Drift.....	4	48
Kettle Point.....	52	215
Hamilton.....	267	209
Dundee.....	476	66
Columbus.....	542	35
Detroit River.....	577	227
Bois Blanc.....	804	78
Bass Island.....	882	355
Salina.....	1,237	599
Salt beds—nil		
Top of A2—1,594		
Top of A1—1,727		
Guelph-Lockport.....	1,836	154
Rochester.....	1,990	15
Total Depth:.....	2,005'	

Geologist: B. V. Sanford.

**Water**

Fresh at 58'.  
Sulphur at 509'.  
Salt at 1,959'.

**Gas**

Show at 58' (surface gas).  
Show at 1,480' to 1,485'.

**IMPERIAL OIL No. 825**

Sombra tp., lot 20, con. VI.

Co-ordinates: 1,550' N., 600' W.  
Elevation: 596' + 5'.  
Driller: H. W. Meier.  
Completed: November 19, 1962.  
Result: Gas show, abandoned.  
Reported Flow: 1.2 Mcf/d. WHIP. 50 psig.

Formation	Top	Thickness
Drift.....	5	60
Kettle Point.....	65	210
Hamilton.....	275	212
Dundee.....	487	66
Detroit River.....	553	265
Bois Blanc.....	818	111
Bass Island.....	929	138
Salina.....	1,067	852
Salt beds		
From	To	
1,422.....	1,602	
1,743.....	1,792	
Top of A2—1,602		
Top of A1—1,792		
Guelph-Lockport.....	1,919	54
Total Depth:.....	1,973'	

Salt beds

From To  
1,422..... 1,602  
1,743..... 1,792  
Top of A2—1,602  
Top of A1—1,792

Guelph-Lockport..... 1,919 54  
Total Depth:..... 1,973'

Geologist: B. V. Sanford.

**Water**

Fresh at 62'.  
Salt at 573'.

**Gas**

At 1,927' to 1,928'.



## Lambton County—Continued

## UNION GAS—BULLOCK No. 1

Sombra tp., lot 22, con. XIV.

Co-ordinates: 1,400' S., 100' W.  
 Elevation: 617' + 2'.  
 Driller: H. W. Meier.  
 Completed: June 8, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	2	148
Kettle Point	150	158
Hamilton	308	219
Dundee	527	81
Detroit River	608	349
Bois Blanc	957	71
Bass Island	1,028	127
Salina	1,155	953
Salt beds		
From	To	
1,413	1,425	
1,508	1,756	
1,893	1,969	
Top of A2—1,756		
Top of A1—1,973		
Guelph-Lockport	2,108	110
Rochester	2,218	22
Total Depth:	2,240'	

Geologist: B. V. Sanford.

## Water

Fresh at 106' and 328'.  
 Sulphur at 546', 608' and 752'.

## UNION GAS—SMITH No. 1

Sombra tp., lot 22, con. XV.

Co-ordinates: 1,550' N., 550' E.  
 Elevation: 618' + 1'.  
 Driller: H. W. Meier.  
 Completed: July 25, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	94
Kettle Point	95	196
Hamilton	291	237
Dundee	528	80
Detroit River	608	346
Bois Blanc	954	94
Bass Island	1,048	124
Salina	1,172	968
Salt beds		
From	To	
1,423	1,460	
1,530	1,775	
1,916	1,997	
Top of A2—1,775		
Top of A1—1,997		
Guelph-Lockport	2,140	104
Rochester	2,244	13
Total Depth:	2,257'	

Geologist: B. V. Sanford.

## Water

Fresh at 107'.  
 Sulphur at 648', 690' and 1,206'.

## C. W. WHITMER No. 1

Sombra tp., lot 19, con. V.

Co-ordinates: 800' N., 796' W.  
 Elevation: 594' + 1'.  
 Driller: H. W. Meier.  
 Completed: September 15, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	89
Kettle Point	90	168
Hamilton	258	235
Dundee	493	111
Detroit River	604	339
Bois Blanc	943	71
Bass Island	1,014	121
Salina	1,135	927
Salt beds		
From	To	
1,470	1,706	
1,858	1,924	
Top of A2—1,706		
Top of A1—1,924		
Guelph-Lockport	2,062	117
Rochester	2,179	22
Total Depth:	2,201'	

Geologist: B. V. Sanford.

## Water

Fresh at 87'.  
 Sulphur at 540'.

Co-ordinates: 330' N., of c/l., 620' W.

Elevation: 597' + 2'.  
 Driller: Corsair Oil and Gas Ltd.  
 Completed: January 15, 1962.  
 Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	2	53
Kettle Point	55	195
Hamilton	250	245
Dundee	495	65
Detroit River	560	264
Bois Blanc	824	150
Bass Island	974	131
Salina	1,105	805
Salt beds		
From	To	
1,458	1,600	
1,759	1,775	
Top of A2—1,600		
Top of A1—1,785		
Guelph-Lockport	1,910	123
Rochester	2,033	23
Reynales	2,056	13
Cabot Head	2,069	18
Total Depth:	2,087'	

Geologist: B. V. Sanford.

## Water

Fresh at 50'.  
 Sulphur at 575'.

**BRITISH AMERICAN OIL No. 22**

Warwick tp., lot 6, con. I S.E.R.

Co-ordinates: 2,015' S., 215' W.

Elevation: 716' + 3'.

Driller: R. L. McPherson.

Completed: December 8, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	3	63
Kettle Point.....	66	96
Hamilton.....	162	272
Dundee.....	434	111
Detroit River.....	545	348
Bois Blanc.....	893	107
Bass Island.....	1,000	167
Salina.....	1,167	1,088

Salt beds

From	To
1,290.....	1,410
1,498.....	1,528
1,630.....	1,880
2,040.....	2,110

Top of A2—1,880

Top of A1—2,110

Guelph-Lockport.....	2,255	72
Rochester.....	2,327	18

Total Depth:..... 2,345'.

Geologist: B. V. Sanford.

**Water**

Fresh at 66'.

Sulphur at 553'.

**IMPERIAL—SOURCE WELL No. 1**

Warwick tp., lot 12, con. III S.E.R.

Co-ordinates: 1,200' N., 869' E.

Elevation: 718' + 2'.

Driller: L. O. Patterson.

Completed: July 6, 1962.

Result: Water Source Well.

Formation	Top	Thickness
Drift.....	2	36
Kettle Point.....	38	45
Hamilton.....	83	267
Dundee.....	350	98
Detroit River.....	448	273

Total Depth:..... 721'.

Geologist: J. V. Hill.

**Water**

Sulphur at 485'.

**LINCOLN**

**HERMAN PACKHAM No. 1**

Caistor tp., lot 14, con. VII.

Co-ordinates: 900' N. parallel to lot line, 480' E.

Elevation:

Driller: S. W. Merritt.

Completed: May 4, 1962.

Result: Gas Producer.

Reported Flow: 5 Mcf/d. WHP, 140 psig.

Formation	Top	Thickness
Drift.....	0	30
Guelph-Lockport.....	30	180
Rochester.....	210	49
Irondequoit.....	259	21
Grimsby.....	280	38
Cabot Head.....	318	24

Total Depth:..... 342'.

Geologist: B. V. Sanford.

**Water**

Fresh at 30'.

**Gas**

At 260' to 270',  
285' to 290'.

**G. ZABOBA No. 1**

Gainsborough tp., lot 38, con. V.

Co-ordinates: 2,467' N., 467' W.

Elevation:

Driller: Montgomery Bros.

Completed: December 12, 1962.

Result: Gas show, abandoned. (Water Well)

Formation	Top	Thickness
Drift.....	0	82
Guelph-Lockport.....	82	188
Rochester.....	270	40
Irondequoit.....	310	10
Reynales.....	320	10
Grimsby.....	330	42
Cabot Head.....	372	38
Manitoulin.....	410	21
Whirlpool.....	431	9
Queenston.....	440	7

Total Depth:..... 447'.

Geologist: B. V. Sanford.

**Water**

Fresh at 112'.

Sulphur at 223'.

Salt at 439'.

**Gas**

Show at 317', 377' and

439'.

**TOM RICHARDS No. 1**

South Grimsby tp., lot 17, con. VIII.

Co-ordinates: 330' N., 380' E.

Elevation:

Driller: S. W. Merritt.

Completed: October 10, 1962.

Result: Gas Producer.

Reported Flow: 6 Mcf/d. WHP, 55 psig.

Formation	Top	Thickness
Drift.....	0	14
Guelph-Lockport.....	14	126
Rochester.....	140	50
Irondequoit.....	190	3
Reynales.....	193	6
Thorold.....	199	11
Grimsby.....	210	40
Cabot Head.....	250	38
Manitoulin.....	288	24
Whirlpool.....	312	8
Queenston.....	320	5

Total Depth:..... 325'.

Geologist: B. V. Sanford.

**Water**

Fresh at 45' and 60'.

**Gas**

Show at 196' to 210'.

At 216' to 255' and

312' to 322'.

**MIDDLESEX**

**PHELAN AND McCLUSKY No. 1**

Adelaide tp., lot 18, con. IV N.E.R.

Co-ordinates: 350' S., 330' E.

Elevation: 743' + 1'.

Driller: John Nemec.

Completed: May 22, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift.....	1	203
Dundee.....	204	76
Detroit River.....	280	30

Total Depth:..... 310'.

Geologist: B. V. Sanford.

**Water**

Fresh at 6' and 35'.

Sulphur at 285'.

**Gas**

Show at 252'.

## Middlesex County—Continued

## PHELAN AND McCLUSKY No. 2

Adelaide tp., lot 8, con. IV N.E.R.

Co-ordinates: 765' N., 250' E.

Elevation: 751' + 1'.

Driller: J. Nemec.

Completed: June 4, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	162
Hamilton	163	91
Dundee	254	81
Detroit River	335	18
Total Depth:	353'	

Geologist: B. V. Sanford.

## Water

Fresh at 155'.

Sulphur at 338'.

## NEMEC, PHELAN AND McCLUSKY No. 1

Ekfrid tp., lot 13, con. III.

Co-ordinates: 750' S., 420' W.

Elevation: 738' + 1'.

Driller: John Nemec.

Completed: December 10, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	126
Hamilton	127	231
Dundee	358	57
Total Depth:	415'	

Geologist: B. V. Sanford.

## Water

Fresh at 146'.

Sulphur at 380'.

## PHELAN AND McCLUSKY No. 5

Ekfrid tp., lot 11, con. III.

Co-ordinates: 1,000' N., 250' E.

Elevation: 733' + 1'.

Driller: John Nemec.

Completed: October 2, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	147
Hamilton	148	198
Dundee	346	57
Columbus	403	30
Total Depth:	433'	

Geologist: B. V. Sanford.

## Water

Fresh at 146'.

Sulphur at 380'.

## IMPERIAL OIL No. 809

McGillivray tp., lot 5, con. XIX.

Co-ordinates: 350' N., 1,100' E.

Elevation: 711' + 4'.

Driller: Canadian Longyear Ltd.

Completed: April 16, 1962.

Result: Dry hole, abandoned. (Structure Test)

Formation	Top	Thickness
Drift	4	97
Dundee	101	74
Detroit River	175	348
Amherstburg	485	
Bois Blanc	523	178
Bass Island	701	72
Salina	773	644
Salt beds	From	To
	1,058	1,069
	1,115	1,339
Top of A2—1,339		

Guelph-Lockport 1,417 428

Total Depth: 1,845'.

Geologist: E. A. James.

## Water

Fresh at 144'.

Sulphur at 175'.

## THE BRITISH AMERICAN OIL CO. No. 20

Metcalfe tp., lot 1, con. VIII.

Co-ordinates: 1,500' N., 500' E.

Elevation: 736' + 4'.

Driller: Stubble and Stubble.

Completed: March 9, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	4	91
Kettle Point	95	31
Hamilton	126	302
Dundee	428	64
Detroit River	492	304
Bois Blanc	796	134
Bass Island	930	118
Salina	1,048	612
Salt beds—nil		
Top of A2—1,466		
Top of A1—1,591		
Guelph-Lockport	1,660	35
Total Depth:	1,695'	

Geologist: B. V. Sanford.

## Water

Fresh at 93'.

Sulphur 492'.

Salt at 1,662'.

## NEMEC AND PINNEY No. 2

Metcalfe tp., lot 2, con. IV.

Co-ordinates: 1,000' S., 250' W.

Elevation: 745' + 1'.

Driller: John Nemec.

Completed: April 23, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	1	89
Hamilton	90	231
Dundee	321	73
Detroit River	394	16
Total Depth:	410'	

Geologist: B. V. Sanford.

## Water

Fresh at 75'.

Sulphur at 372'.

**E. T. PINNEY No. 1**

Metcalfe tp., lot 4, con. III.

Co-ordinates: 750' S., 250' E. of c/l.

Elevation: 743' + 1'.

Driller: J. Nemec.

Completed: March 27, 1962.

Result: Oil show.

Formation	Top	Thickness
Drift.....	1	111
Hamilton.....	112	183
Dundee.....	295	80
Total Depth:.....	375'	

Geologist: B. V. Sanford.

Water	Oil
Fresh at 112'.	Show at 295' to 297', 336' to 342'.

**ANCHOR PETROLEUMS No. 36**

Mosa tp., lot 13, con. I.

Co-ordinates: 1,100' N. of c/l., 150' W.

Elevation: 708' + 1'.

Driller: R. Willitts.

Completed: February 3, 1962.

Result: Gas Producer.

Reported Flow: 379 Mcf/d. WHP. 585 psig.

Formation	Top	Thickness
Drift.....	1	208
Hamilton.....	209	78
Dundee.....	287	107
Columbus.....	394	26
Detroit River.....	420	207
Bois Blanc.....	627	150
Bass Island.....	777	107
Salina.....	884	654

Salt beds

From	To
1,207.....	1,382
Top of A2—1,382	
Top of A1—1,492	
Total Depth:.....	1,538'.

Geologist: B. V. Sanford.

Water	Gas
Fresh at 64', 79' and 230'.	At 1,496' to 1,538'
Mineral at 312' and 364'.	

**ANCHOR PETROLEUMS No. 37**

Mosa tp., lot 13, Range II N.

Co-ordinates: 650' S., 75' E.

Elevation: 704' + 1'.

Driller: R. Willitts.

Completed: September 12, 1962.

Result: Gas Producer.

Reported Flow: 44 Mcf/d. WHP. 410 psig.

Formation	Top	Thickness
Drift.....	1	236
Hamilton.....	237	50
Dundee.....	287	120
Columbus.....	407	10
Detroit River.....	417	192
Bois Blanc.....	609	160
Bass Island.....	769	104
Salina.....	873	697

Salt beds

From	To
1,209.....	1,362
Top of A2—1,362	
Top of A1—1,462	
Guelph-Lockport.....	1,570
Total Depth:.....	1,597'.

Geologist: B. V. Sanford.

Water	Gas
Fresh at 88' and 261'.	At 1,478' to 1,480', 1,502' to 1,511'.
Mineral at 338'.	
Salt at 1,588'.	

**PHELAN AND McCLUSKY No. 3**

Westminster tp., lot 62, con. N.T.R.W.

Co-ordinates: 300' S., 330' E.

Elevation: 830' + 1'.

Driller: John Nemec.

Completed: June 22, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	1	249
Hamilton.....	250	30
Dundee.....	280	38
Detroit River.....	318	67
Total Depth:.....	385'.	

Geologist: B. V. Sanford.

Water
Fresh at 248'.
Sulphur at 318'.

**PHELAN AND McCLUSKY No. 6**

Westminster tp., lot 6, con. Gore.

Co-ordinates: 250' S., 1,080' E.

Elevation: 793' + 1'.

Driller: John Nemec.

Completed: October 31, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	1	214
Hamilton.....	215	35
Dundee.....	250	25
Columbus.....	275	19
Total Depth:.....	294'.	

Geologist: B. V. Sanford.

Water
Fresh at 213'.

## NORFOLK

STARLITE GAS CO. No. 1  
Charlotteville tp., lot 1, con. VI.

Co-ordinates: 1,857' N., 360' E.  
Elevation: 739' + 2'.  
Driller: Emerson and Rose.  
Completed: July 10, 1962.  
Result: Gas Producer.  
Reported Flow: 385 Mcf/d. WHP. 625 psig.

Formation	Top	Thickness
Drift	2	237
Dundee	239	56
Columbus	295	19
Bois Blanc	314	238
Bass Island	552	61
Salina	613	346
Salt beds—nil		
Top of A2—900		
Top of A1—940		
Guelph-Lockport	959	219
Rochester	1,178	61
Irondequoit and Reynales	1,239	8
Thorold	1,247	8
Grimsby	1,255	34
Cabot Head	1,289	63
Manitoulin	1,352	15
Whirlpool	Trace	
Queenston	1,367	6
Total Depth:	1,373'	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 247'.	At 1,259' to 1,267' and
Sulphur at 315'.	1,272' to 1,275'.
Black at 963'.	

## STARLITE GAS CO. No. 3

Charlotteville tp., lot 1, con. VI.

Co-ordinates: 350' N., 340' W.  
Elevation: 743' + 2'.  
Driller: Emerson and Rose.  
Completed: November 6, 1962.  
Result: Gas Producer.  
Reported Flow: 285 Mcf/d. WHP. 550 psig.

Formation	Top	Thickness
Drift	2	255
Dundee	257	106
Detroit River	363	37
Bois Blanc	400	143
Bass Island	543	76
Salina	619	337
Salt beds—nil		
Top of A2—894		
Top of A1—940		
Guelph-Lockport	956	235
Rochester	1,191	63
Irondequoit	1,254	10
Thorold	1,264	9
Grimsby	1,273	24
Cabot Head	1,297	69
Manitoulin	1,366	8
Queenston	1,374	11
Total Depth:	1,385'	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 264'.	At 1,267' to 1,270'.
Sulphur at 310'.	
Black at 987'.	

## STARLITE GAS CO. No. 2

Charlotteville tp., lot 1, con. VI.

Co-ordinates: 335' S. of c/L, 1,515' E.  
Elevation: 746' + 2'.  
Driller: Emerson & Rose.  
Completed: August 29, 1962.  
Result: Gas Producer.  
Reported Flow: 1,375 Mcf/d. WHP. 640 psig.

Formation	Top	Thickness
Drift	2	238
Dundee	240	110
Detroit River	350	16
Bois Blanc	366	181
Bass Island	547	64
Salina	611	354
Salt beds—nil		
Top of A2—873		
Top of A1—951		
Guelph-Lockport	965	223
Rochester	1,188	58
Irondequoit	1,246	4
Reynales	1,250	3
Grimsby, Cabot Head, Manitoulin	1,253	131
Queenston	1,384	3
Total Depth:	1,387'	

Geologist: B. V. Sanford and Driller's Log.

Water	Gas
Fresh at 245'.	Show at 1,266'.
Sulphur at 321'.	At 1,266' to 1,276'.
Black at 996'.	

## ROBERTS AND HESSIN No. 20

Charlotteville tp., lot 11, con. V.

Co-ordinates: 300' S., 750' E.  
Elevation: 763' + 2'.  
Driller: D. Irving.  
Completed: September 8, 1962.  
Result: Gas Producer.  
Reported Flow: 500 Mcf/d. WHP. 610 psig.

Formation	Top	Thickness
Drift	2	229
Dundee	231	100
Detroit River	331	28
Bois Blanc	359	131
Bass Island	490	74
Salina	564	358
Salt beds—nil		
Top of A2—846		
Top of A1—905		
Guelph-Lockport	922	208
Rochester	1,130	60
Irondequoit	1,190	17
Reynales	1,207	4
Thorold	1,211	3
Grimsby	1,214	18
Cabot Head	1,232	26
Total Depth:	1,258'	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 231'.	At 1,210' to 1,229'.
Sulphur at 286' and 390'.	

CHRISTIE, MITCHELL & MITCHELL No. 1

Lake Erie No. 78-1

Co-ordinates: 42° 34' 24" N., 80° 24' 16" W.  
Elevation: 572' + 15'.  
Driller: Earl Hernandez.  
Completed: October 5, 1962  
Result: Gas Producer.  
Reported Flow: 16.7 Mcf/d. WHP. N.R.

Formation	Top	Thickness
Lake Erie	15	22
Drift	37	273
Dundee	310	50
Bois Blanc	360	225
Bass Island	585	87
Salina	672	358
Salt beds—nil		
Top of A2—1,015		
Guelph-Lockport	1,030	244
Rochester	1,274	30
Irondequoit-Reynales	1,304	10
Thorold	1,314	15
Grimsby	1,329	34
Cabot Head	1,363	84
Queenston	1,447	7
Total Depth:	1,454'	

Geologist: R. G. Quilliam.

Water	Gas
Fresh at 160'.	At 1,314' to 1,336'
Sulphur at 352'.	
Brackish at 610'.	

EL PASO No. 34

Lake Erie No. 17-34

Co-ordinates: 42° 42' 45" N., 80° 17' 25" W.  
Elevation: 572' + 12'.  
Driller: Translake Drilling Ltd.  
Completed: September 3, 1962.  
Result: Gas Producer.  
Reported Flow 43 Mcf/d. WHP. 347 psig.

Formation	Top	Thickness
Lake	12	18
Drift	30	102
Delaware	132	36
Bois Blanc	168	212
Oriskany	380	21
Bass Island	401	79
Salina	480	328
Guelph-Lockport	808	212
Rochester	1,020	65
Irondequoit	1,085	18
Grimshy	1,103	58
Cabot Head	1,161	61
Whirlpool	1,222	2
Queenston	1,224	11
Total Depth:	1,235'	

Geologist: J. M. Stewart.

Water	Gas
Fresh at 160'.	At 1,140' to 1,156'.
Sulphur at 195' and 270'.	

PLACE—PORT DOVER No. 7

Lake Erie

Co-ordinates: 42° 45' 35" N., 80° 13' 25" W.  
Elevation: 572' + 15'.  
Driller: G. Culver Drilling Co.  
Completed: October 3, 1962.  
Result: Show gas, abandoned.

Formation	Top	Thickness
Lake	15	29
Bois Blanc	44	246
Bass Island and Salina	290	391
Guelph-Lockport	681	193
Rochester	874	88
Irondequoit and Reynales	962	26
Grimsby	988	28
Total Depth:	1,016'	

Geologist: Driller's Log.

Water	Gas
Fresh at 56'.	Show at 1,008'.
Sulphur at 597'.	

TEXAM OIL CORP. No. 1

Lake Erie No. 52-1

Co-ordinates: 42° 34' 23" N., 80° 10' 19" W.  
Elevation: 572' + 11'.  
Driller: S. G. Powell Shipyards, Ltd.  
Completed: May 23, 1962.  
Result: Gas Producer.  
Reported Flow: 898 Mcf/d. WHP. 670 psig.

Formation	Top	Thickness
Lake	11	3
Drift	14	294
Dundee	308	41
Bois Blanc	349	156
Bass Island	505	70
Salina	575	341
Guelph-Lockport	916	276
Rochester	1,192	112
Irondequoit-Reynales	1,304	14
Thorold	1,318	10
Grimsby	1,328	45
Cabot Head	1,373	75
Whirlpool	1,448	8
Queenston	1,456	5
Total Depth:	1,461'	

Geologist: B. C. Donnan.

Water	Gas
Fresh at 312'.	Shows at 435', 935',
Sulphur at 355', 415',	at 975' to 985' and
433', 940' and 975'.	1,327'.
	At 1,330', 1,345', 1,352'
	and 1,379'.

## Norfolk County—Continued

## TEXAM OIL CORP. No. 2

Lake Erie No. 54-2

Co-ordinates: 42° 34' 42" N., 80° 14' 07" W.  
Elevation: 572' + 9'.  
Driller: S. G. Powell Shipyards, Ltd.  
Completed: June 23, 1962.  
Result: Gas Producer.  
Reported Flow: 427 Mcf/d. WHP. 600 psig.

Formation	Top	Thickness
Lake	9	17
Drift	26	279
Dundee	305	75
Bois Blanc	380	158
Bass Island	538	48
Salina	586	359
Guelph-Lockport	945	244
Rochester	1,189	101
Irondequoit-Reynales	1,290	19
Thorold	1,309	7
Grimsby	1,316	46
Cabot Head	1,362	75
Whirlpool	1,437	9
Queenston	1,446	2
Total Depth:		1,448'

Geologist: B. C. Donnan.

Water	Gas
Fresh at 310'.	Shows at 355', 375' and 960'.
Sulphur at 535'.	At 1,315', 1,320', 1,335', 1,350' and 1,436'.

## TEXAM OIL CORP. No. 3

Lake Erie No. 52-3

Co-ordinates: 42° 34' 24" N., 80° 10' 55" W.  
Elevation: 572' + 7'.  
Driller: S. G. Powell Shipyards, Ltd.  
Completed: October 4, 1962.  
Result: Gas Producer.  
Reported Flow: 80 Mcf/d. WHP. 610 psig.

Formation	Top	Thickness
Lake Erie	7	4
Drift	11	282
Dundee	293	47
Bois Blanc	340	153
Bass Island	493	88
Salina	581	336
Guelph-Lockport	917	275
Rochester	1,192	109
Irondequoit-Reynales	1,301	14
Thorold	1,315	10
Grimsby	1,325	46
Cabot Head	1,371	39
Total Depth:		1,410'

Geologist: B. C. Donnan.

Water	Gas
Fresh at 340'.	Show at 947'.
	At 1,342', 1,357' and 1,410'.

## TEXAM OIL CORP. No. 4

Lake Erie No. 39-4

Co-ordinates: 42° 35' 14" N., 80° 10' 20" W.  
Elevation: 572' + 9'.  
Driller: S. G. Powell Shipyards, Ltd.  
Completed: August 9, 1962.  
Result: Gas show, abandoned.

Formation	Top	Thickness
Lake	9	15
Drift	24	262
Dundee	286	63
Bois Blanc	349	138
Bass Island	487	87
Salina	574	351
Guelph-Lockport	925	239
Rochester	1,164	110
Irondequoit-Reynales	1,274	13
Thorold	1,287	6
Grimsby	1,293	45
Cabot Head	1,338	78
Whirlpool	1,416	10
Queenston	1,426	4
Total Depth:		1,430'

Geologist: B. C. Donnan.

Water	Gas
Water at 302', 700' and 715'.	Show at 700', 715', 963' and 1,275'.

## TEXAM OIL CORP. No. 5

Lake Erie No. 39-5

Co-ordinates: 42° 35' 14" N., 80° 10' 54" W.  
Elevation: 572' + 7'.  
Driller: S. G. Powell Shipyards, Ltd.  
Completed: September 5, 1962.  
Result: Gas Producer.  
Reported Flow: 3.7 MMcf/d. WHP. 610 psig.

Formation	Top	Thickness
Lake	7	18
Drift	25	231
Dundee	256	84
Bois Blanc	340	145
Bass Island	485	110
Salina	595	325
Guelph-Lockport	920	255
Rochester	1,175	102
Irondequoit and Reynales	1,277	13
Grimsby and Cabot Head	1,290	50
Total Depth:		1,340'

Geologist: B. C. Donnan.

Water	Gas
Fresh at 295'.	Show at 333' and 900'.
Sulphur at 333' and 960'.	At 1,283', 1,315' and 1,322'.

**WHORTON ASSOCIATES No. 6**

South Walsingham tp., lot 22, con. III.

Co-ordinates: 995' N., 935' W.

Elevation: 690' + 1'.

Driller: S. Lyons and Son.

Completed: June 7, 1962.

Result: Gas Producer.

Reported Flow: 63 MMcf/d. WHP. 650 psig.

Formation	Top	Thickness
Drift.....	1	302
Dundee.....	303	107
Detroit River.....	410	58
Bois Blanc.....	468	127
Bass Island.....	595	55
Salina.....	650	353
Salt beds—nil		
Top of A2—955		
Guelph-Lockport.....	1,003	212
Rochester.....	1,215	69
Reynales.....	1,284	14
Thorold.....	1,298	17
Grimsby.....	1,315	30
Cabot Head.....	1,345	25
Total Depth:.....	1,370'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 315'.	At 1,315' to 1,331'.
Black at 440'.	

**PETROLEUM DEVELOPMENT SERVICES No. 2**

Windham tp., lot 9, con. VIII.

Co-ordinates: 330' N. of c/l., 260' E.

Elevation:

Driller: S. Lyons & Son.

Completed: March 7, 1962.

Result: Gas Producer.

Reported Flow: 27 Mcf/d. WHP. 520 psig.

Formation	Top	Thickness
Drift.....	0	130
Bois Blanc.....	130	75
Bass Island.....	205	40
Salina.....	245	325
Salt beds—nil		
Top of A2—495		
Top of A1—545		
Guelph-Lockport.....	570	340
Rochester.....	910	50
Irondequoit.....	960	4
Reynales.....	964	7
Thorold.....	971	14
Cabot Head.....	985	15
Undetermined.....	1,000	16
Total Depth:.....	1,016'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 135' and 211'.	At 970' to 982' and
Black at 234'.	987' to 1,004'.

**PETROLEUM DEVELOPMENT SERVICES No. 1**

Windham tp., lot 9, con. VIII.

Co-ordinates: 1,100' N., 330' E.

Elevation:

Driller: S. Lyons and Son.

Completed: January 12, 1962.

Result: Gas Producer.

Reported Flow: 540 Mcf/d. WHP. 520 psig.

Formation	Top	Thickness
Drift.....	2	177
Bass Island.....	179	41
Salina.....	220	328
Salt beds—nil		
Top of A2—492		
Guelph-Lockport.....	548	327
Rochester.....	875	80
Irondequoit.....	955	8
Reynales.....	963	4
Thorold.....	967	13
Cabot Head.....	980	25
Total Depth:.....	1,005'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 128' and 187'.	At 974' to 978'.
Sulphur at 200'.	

**CARL ROBERTS No. 2**

Woodhouse tp., lot 8, Gore.

Co-ordinates: 450' S., 525' E.

Elevation: 718' + 2'.

Driller: D. Irving.

Completed: July 4, 1962.

Result: Gas Producer.

Reported Flow: 42 Mcf/d. WHP. 490 psig.

Formation	Top	Thickness
Drift.....	2	172
Dundee.....	174	88
Bois Blanc.....	262	123
Bass Island.....	385	42
Salina.....	427	320
Salt beds—nil		
Top of A2—667		
Top of A1—732		
Guelph-Lockport.....	747	250
Rochester.....	997	61
Irondequoit.....	1,058	11
Reynales.....	1,069	2
Thorold.....	1,071	26
Grimsby.....	1,097	17
Cabot Head.....	1,114	6
Total Depth:.....	1,120'.	

Geologist: B. V. Sanford.

Water	Gas
Fresh at 185'.	Show at 1,086'.
Sulphur at 740'.	At 1,096'.



## Norfolk County—Continued

## ROBERTS AND HESSIN No. 19

Woodhouse tp., lot 3, con. IV.

Co-ordinates: 1,025' S., 200' E.

Elevation: 675' + 2'.

Driller: D. Irving.

Completed: May 19, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	2	51
Dundee	53	36
Bois Blanc	89	106
Bass Island	195	69
Salina	264	294
Salt beds—nil		
Top of A2—508		
Top of A1—543		
Guelph-Lockport	558	295
Rochester	853	94
Irondequoit	947	8
Reynales	955	5
Thorold	960	35
Grimsby	995	10
Cabot Head	1,005	73
Total Depth:		1,078'

Geologist: B. V. Sanford.

## Water

Sulphur at 152'.

## Gas

At 976' to 977'.

## OXFORD

## BRITISH PETROLEUM No. 1

Blandford tp., lot 12, con. II.

Co-ordinates: 330' N., 725' E.

Elevation: 969' + 3'.

Driller: Demaray and Nichols.

Completed: October 4, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	3	66
Bois Blanc	69	56
Bass Island	125	77
Salina	202	345
Salt beds—nil		
Top of A2—485		
Top of A1—542		
Guelph-Lockport	547	345
Rochester	892	46
Irondequoit	938	6
Reynales	944	20
Cabot Head	964	51
Manitoulin	1,015	35
Queenston	1,050	427
Meaford-Dundas and Collingwood	1,477	756
Trenton	2,233	499
Black River	2,732	243
Precambrian	2,975'	9
Total Depth:		2,984'

Geologist: B. V. Sanford.

## Water

Fresh at 18' and 65'.

Sulphur? at 563'.

## WAKEHAM BAY MINES LTD. No. 1

Blandford tp., lot 4, con. V.

Co-ordinates: 1,900' S., 174' W.

Elevation: 958' + 3.

Driller: Kiser Drilling Co.

Completed: July 19, 1962.

Result: Gas and oil show.

Formation	Top	Thickness
Drift	3	162?
Salina	165	254
Salt beds—nil		
Top of A2—360		
Top of A1—404		
Guelph-Lockport	419	379
Rochester	798	42
Irondequoit	840	8
Reynales	848	22
Grimsby	870	5
Cabot Head	875	30
Manitoulin	905	34
Whirlpool	939	8
Queenston	947	438
Meaford-Dundas and Collingwood	1,385	745
Trenton	2,130	504
Cobocoon and Gull River	2,634	231
Eau Claire	2,865	18
Precambrian	2,883	13
Total Depth:		2,896'

Geologist: B. V. Sanford.

## Water

Fresh at 16', 85'  
and 183'.

## Gas

Show at 862'.

## Oil

At 2,870' to  
2,884'.

## WAKEHAM BAY MINES LTD. No. 2

Blandford tp., lot 4, con. V.

Co-ordinates: 240' N., 1,327' E.

Elevation: 963' + 4'.

Driller: Kiser Drilling Co.

Result: Oil show.

Formation	Top	Thickness
Drift	4	200?
Salina	204	241
Salt beds—nil		
Top of A2—394		
Top of A1—438		
Guelph-Lockport	445	381
Rochester	826	36
Irondequoit	862	8
Reynales	870	8
Cabot Head	878	44
Manitoulin	922	40
Queenston	962	454
Meaford-Dundas and Collingwood	1,416	739
Trenton	2,155	491
Black River	2,646	240
Cambrian	2,886	13
Arkose	2,899	7
Precambrian	2,906	5
Total Depth:		2,911'

Geologist: B. V. Sanford.

## Water

Fresh at 62' and 230'.

## Oil

Show at 2,888' to 2,902'.

**CENTRAL PIPE LINE—KUBIS No. 1**

Blenheim tp., lot 21, con. 11.

Co-ordinates: 340' N., 495' E.  
Elevation: 938' + 3'.  
Driller: Central Pipe Line Co., Ltd.  
Completed: December 6, 1962.  
Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	3	97
Bass Island	100	30
Salina	130	326
Salt beds—nil		
Top of A2—388		
Top of A1—438		
Guelph-Lockport	456	324
Rochester	780	44
Irondequoit	824	6
Reynales	830	20
Cabot Head	850	50
Manitoulin	900	32
Queenston	932	478
Meaford-Dundas and Collingwood	1,410	746
Trenton	2,156	508
Black River	2,664	222
Eau Claire	2,886	23
Precambrian	2,909	1
Total Depth:		2,910'.

Geologist: B. V. Sanford.

Water	Oil
Fresh at 100'.	Show at 2,892' to 2,909'.
Sulphur at 290'.	

**IMPERIAL OIL No. 818**

Blenheim tp., lot 18, con. 1.

Co-ordinates: 1,966' S., 310' E.  
Elevation: 932' + 4'.  
Driller: Chevalier and Tremblay.  
Completed: August 9, 1962.  
Result: Small Oil Producer. (Observation Well)  
Reported Flow: N.T.

Formation	Top	Thickness
Drift	4	157
Salina	161	254
Salt beds—nil		
Top of A2—354		
Top of A1—396		
Guelph-Lockport	415	355
Rochester	770	43
Irondequoit	813	18
Cabot Head	831	55
Manitoulin	886	28
Queenston	914	452
Meaford-Dundas and Collingwood	1,366	785
Trenton	2,151	496
Coboconk and Gull River	2,647	228
Shadow Lake	2,875	8
Cambrian	2,883	13
Arkose	2,896	2
Precambrian	2,898	8
Total Depth:		2,906'.

Geologist: J. Pounder and G. Peterson.

Water	Oil
Fresh at 173' and 415'.	At 2,883' to 2,896'.

**McMASTER—GOBLES No. 13**

Blenheim tp., lot 22, con. 1.

Co-ordinates: 1,780' N., 460' W.  
Elevation: 937' + 4'.  
Driller: R. McMaster & Sons Co., Ltd.  
Completed: May 31, 1962.  
Result: Oil Producer.  
Reported Flow: 8 bbl/d.

Formation	Top	Thickness
Drift	4	131
Salina	135	299
Salt beds—nil		
Top of A2—385		
Top of A1—Trace		
Guelph-Lockport	434	367
Rochester	801	42
Irondequoit	843	7
Reynales	850	10
Cabot Head	860	50
Manitoulin	910	30
Queenston	940	460
Meaford-Dundas and Collingwood	1,400	765
Trenton	2,165	488
Black River	2,653	248
Eau Claire	2,901	17
Precambrian	2,918	3
Total Depth:		2,921'.

Geologist: B. V. Sanford.

Water	Oil
Fresh at 120'.	At 2,902' to 2,918'.

**SUMAC OIL AND GAS No. 3**

Blenheim tp., lot 21, con. 1.

Co-ordinates: 1,784' S., 497' E.  
Elevation: 944' + 3'.  
Driller: S. Earl.  
Completed: March 15, 1962.  
Result: Oil Producer.  
Reported Flow: 8 bbl/d. WHP. 250 psig.

Formation	Top	Thickness
Drift	3	202
Salina	205	254
Salt beds—nil		
Top of A2—394		
Top of A1—444		
Guelph-Lockport	459	328
Rochester	787	55
Irondequoit	842	8
Reynales	850	24
Dyer Bay	874	19
Cabot Head	893	20
Manitoulin	913	35
Queenston	948	452
Meaford-Dundas and Collingwood	1,400	778
Trenton	2,178	506
Black River	2,684	221
Eau Claire	2,905	17
Precambrian	2,922	6
Total Depth:		2,928'.

Geologist: B. V. Sanford.

Water	Gas	Oil
Fresh at 195', 246' and 320'.	Show at 2,919' to 2,940'.	Show at 2,914' to 2,917'. At 2,919' to 2,940'.

## Oxford County—Continued

## CANADIAN DELHI No. 18

Dereham tp., lot 27, con. II.

Co-ordinates: 2,400' S., 500' W.

Elevation: 940' + 3'.

Driller: Chevalier and Tremblay.

Completed: July 9, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift	3	172
Columbus	175	17
Detroit River	192	119
Bois Blanc	311	110
Bass Island	421	36
Salina	457	432
Salt beds—nil		
Top of A2—812		
Top of A1—870		
Guelph-Lockport	889	353
Rochester	1,242	41
Irondequoit	1,283	10
Reynales	1,293	16
Cabot Head	1,309	61
Manitoulin	1,370	25
Queenston	1,395	463
Meaford-Dundas and Collingwood	1,858	707
Trenton	2,565	470
Black River	3,035	289
Precambrian	3,324	6
Total Depth:	3,330'	

Geologist: B. V. Sanford.

## Water

Fresh at 78' and 100'.

Sulphur at 901'.

## IMPERIAL OIL No. 799

East Oxford tp., lot 6, con. VII.

Co-ordinates: 1,702' S., 499' E.

Elevation: 903' + 5'.

Driller: Chevalier and Tremblay.

Completed: January 10, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	5	85
Bois Blanc	90	32
Bass Island	122	17
Salina	139	382
Salt beds—nil		
Top of A2—467		
Top of A1—nil		
Guelph-Lockport	521	369
Rochester	890	37
Irondequoit	927	3
Reynales	930	15
Cabot Head	945	63
Manitoulin	1,008	24
Queenston	1,032	492
Meaford-Dundas	1,524	621
Collingwood	2,145	143
Trenton	2,288	484
Black River	2,772	273
Precambrian	3,045	4
Total Depth:	3,049'	

Geologist: B. V. Sanford.

## Water

Fresh at 60' and 123'.

Brackish at 827'.

Salt at 2,919'.

## Gas

Show at 930' to 940'.

## S. J. SMITH No. 1

North Norwich tp., lot 3, con. V.

Co-ordinates: 400' S., 330' W.

Elevation: 837' + 3'.

Driller: S. Earl.

Completed: October 1, 1962.

Result: Oil show, abandoned.

Formation	Top	Thickness
Drift	3	75
Dundee	78	51
Detroit River	129	8
Bois Blanc	137	83
Bass Island	220	52
Salina	272	338
Salt beds—nil		
Top of A2—549		
Top of A1—588		
Guelph-Lockport	610	301
Rochester	911	43
Irondequoit	954	7
Reynales	961	17
Cabot Head	978	67
Manitoulin	1,045	15
Queenston	1,060	515
Meaford-Dundas and Collingwood	1,575	796
Trenton	2,371	478
Black River	2,849	281
Eau Claire	3,130	45
Precambrian	3,175	2
Total Depth:	3,177'	

Geologist: B. V. Sanford.

## Water

Fresh at 78'.

Sulphur at 295'.

Saline at 3,124'.

## Oil

Show at 3,122' to 3,166'.

## CANADIAN DELHI No. 17

West Oxford tp., lot 3, con. B.F.

Co-ordinates: 330' N., 330' E.

Elevation: 1,081' + 4'.

Driller: Chevalier and Tremblay.

Completed: April 24, 1962.

Result: Gas show, abandoned.

Reported Flow: 7 Mcf/d. WHP, N.T.

Formation	Top	Thickness
Drift	4	220
Detroit River	224	52
Bois Blanc	276	73
Bass Island	349	34
Salina	383	348
Salt beds—nil		
Top of A2—665		
Top of A1—713		
Guelph-Lockport	731	427
Rochester	1,158	24
Reynales	1,182	33
Cabot Head	1,215	63
Manitoulin	1,278	24
Queenston	1,302	464
Meaford-Dundas and Collingwood	1,766	727
Trenton	2,493	497
Black River	2,990	257
Precambrian	3,247	13
Total Depth:	3,260'	

Geologist: B. V. Sanford.

## Water

Fresh at 224'.

Brackish at 745'.

## Gas

At 1,194' to 1,200'.

CANADIAN DELHI No. 19

West Oxford tp., lot 13, con. V.

Co-ordinates: 1,160' N. // to lot line, 600' W.  
Elevation: 1,074' + 4'.  
Driller: Chevalier and Tremblay.  
Completed: September 10, 1962.  
Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	4	283
Detroit River	287	36
Bois Blanc	323	117
Bass Island	440	70
Salina	510	338
Salt beds—nil		
Top of A2—782		
Top of A1—837		
Guelph-Lockport	848	337
Rochester	1,185	51
Irondequoit	1,236	9
Reynales	1,245	6
Thorold	1,251	4
Cataract	1,255	95
Queenston	1,350	447
Meaford-Dundas and Collingwood	1,797	743
Trenton	2,540	490
Black River	3,030	275
Eau Claire	3,305	9
Precambrian	3,314	17
Total Depth:		3,331'

Geologist: B. V. Sanford.

Water

Fresh at 267'.  
Sulphur at 860'.

Gas

Trace at 830' to 840'.

PEEL

M. & M. OIL AND GAS No. 1

Chinguacousy tp., lot 14, con. VI W.

Co-ordinates: 60' S., 330' W.  
Elevation: 819' + 3'.  
Driller: Emerson and Rose.  
Completed: February 23, 1962.  
Result: Gas show.

Formation	Top	Thickness
Drift	3	49
Queenston	52	200
Meaford-Dundas and Collingwood	252	823
Trenton	1,075	496
Coboconk and Gull River	1,571	152
Precambrian	1,723	222
Total Depth:		1,945'*

\*Deepened by Rotary Rig, November, 1962, to 2,000'.

Geologist: B. V. Sanford.

Water

Fresh at 62'.  
Salt at 1,945'.

Gas

At 1,588' to 1,590'.

WELLAND

R. V. R. GAS SYNDICATE No. 7

Bertie tp., lot 11, con. XIV N.R.S.

Co-ordinates: 160' N., of R.R., 330' E.  
Elevation:  
Driller: R. Riddell.  
Completed: May 11, 1962.  
Result: Gas Producer.  
Reported Flow: 35 Mcf/d. WHP. 75 psig.

Formation	Top	Thickness
Drift	0	65
Salina	65	279
Guelph-Lockport	344	188
Rochester	532	74
Reynales	606	28
Grimsby	634	57
Whirlpool	691	31
Queenston	722	78
Total Depth:		800'.

Geologist: Driller's Log.

Water

Fresh at 65'.

Gas

At 718' to 722'.

S. C. EATON JR. No. 2

Port Colbourne No. 2—L.E.

Co-ordinates: 45° 50' 32" N., 79° 07' 00" W.  
Elevation: 572' + 19'.  
Driller: Place Gas and Oil Co., Ltd.  
Completed: August 6, 1962.  
Result: Gas show.  
Reported Flow: 108 Mcf/d. WHP. N.R.

Formation	Top	Thickness
Lake	19	35
Drift	54	11
Bois Blanc	65	86
Bass Island	151	40
Salina	191	374
Salt beds—nil		
Top of A2—532		
Guelph-Lockport	565	195
Rochester	760	70
Irondequoit	830	11
Reynales	841	14
Grimsby	855	82
Cabot Head	937	25
Whirlpool	962	9
Queenston	971	31
Total Depth:		1,002'.

Geologist: B. V. Sanford.

Water

Not recorded.

Gas

Show at 860'.  
At 870' to 915'.

## Welland County—Continued

## G. DECK No. 1

Wainfleet tp., lot 24, con. I.

Co-ordinates: 300' S. of Lakeshore Rd., 290' W.  
 Elevation: 581' + 1'.  
 Driller: K. Held and Son.  
 Completed: March 2, 1962.  
 Result: Gas Producer.  
 Reported Flow: 12 Mcf/d. WHP. 195 psig.

Formation	Top	Thickness
Drift	1	86
Salina	87	413
Salt beds—nil		
Top of A2—430		
Guelph-Lockport	500	144
Rochester	644	62
Irondequoit	706	10
Reynales	716	13
Thorold	729	12
Grimsby	741	48
Cabot Head	789	54
Whirlpool	843	4
Queenston	847	13
Total Depth:		860'

Geologist: B. V. Sanford.

Water	Gas
Sulphur at 110'.	At 712' to 715'.
Black at 290'.	

## P. L. JACKSON No. 46

Wainfleet tp., lot 43, con. VI.

Co-ordinates: 400' S. of N.Y.C.R.R., 150' E.  
 Elevation: 585' + 1'.  
 Driller: P. L. Jackson.  
 Completed: May 22, 1962.  
 Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	1	98
Salina	99	88
Salt beds—nil		
Top of A2—135		
Top of A1—170		
Guelph-Lockport	187	224
Rochester	411	51
Irondequoit	462	10
Reynales	472	5
Thorold	477	14
Grimsby	491	33
Cabot Head	524	57
Whirlpool	581	15
Queenston	596	27
Total Depth:		623'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 100'.	Show at 340', 472' and
Sulphur at 160' and 340'.	597'.

## LINCOLN NATURAL GAS NO. 7

Wainfleet tp., lot 30, con. III.

Co-ordinates: 2,000' N. of Canal Rd., 150' W.  
 Elevation: 580' + 1'.  
 Driller: Culver Drilling Co., Ltd.  
 Completed: January 19, 1962.  
 Result: Gas Producer.  
 Reported Flow: 16 Mcf/d. WHP. 110 psig.

Formation	Top	Thickness
Drift	1	126
Salina	127	203
Guelph-Lockport	330	215
Rochester	545	67
Irondequoit, Reynales and Thorold	612	34
Grimsby	646	40
Cabot Head	686	48
Whirlpool	734	16
Queenston	750	27
Total Depth:		777'

Geologist: Driller's Log.

Water	Gas
Fresh at 128'.	At 615' to 617'.
Sulphur at 410'.	745' to 748'.

## LINCOLN NATURAL GAS No. 8

Wainfleet tp., lot 29, con. III.

Co-ordinates: 1,300' N. of Feeder Rd., 330' W.  
 Elevation: 580' + 1'.  
 Driller: Culver Drilling Co., Ltd.  
 Completed: February 16, 1962.  
 Result: Gas show, abandoned.

Formation	Top	Thickness
Drift	1	127
Salina	128	317
Salt beds—nil		
Top of A2—380		
Guelph-Lockport	445	135
Rochester	580	34
Irondequoit	614	11
Reynales	625	15
Grimsby	640	76
Cabot Head	716	17
Whirlpool	733	13
Queenston	746	16
Total Depth:		762'

Geologist: B. V. Sanford.

Water	Gas
Fresh at 128'.	Show at 615' to 617'
Sulphur at 415' and 445'.	and 745' to 747'.

**LINCOLN NATURAL GAS No. 9**

Wainfleet tp., lot 31, con. II.

Co-ordinates: 500' S. of Feeder Rd., 300' E.

Elevation: 580' + 1'.

Driller: Culver Drilling Co., Ltd.

Completed: March 14, 1962.

Result: Gas Producer.

Reported Flow: 24 Mcf/d. WHP. 100 psig.

Formation	Top	Thickness
Drift.....	1	123
Salina.....	124	213
Guelph-Lockport.....	337	217
Rochester.....	554	69
Irondequoit, Reynales and Thorold	623	30
Grimsby.....	653	42
Cabot Head.....	695	47
Whirlpool.....	742	18
Queenston.....	760	48
Total Depth:.....		808'.

Geologist: Driller's Log.

Water	Gas
Fresh at 125'.	At 625' to 627'.
Sulphur at 400'.	755' to 758'.

**ZAVITZ BROS. No. 2**

Wainfleet tp., lot 39, con. V.

Co-ordinates: 1,500' N., 1,000' E.

Elevation: 590' + 1'.

Driller: Montgomery Bros.

Completed: February 12, 1962.

Result: Gas Producer.

Reported Flow: 16 Mcf/d. WHP. 130 psig.

Formation	Top	Thickness
Drift.....	1	114
Salina.....	115	107
Guelph-Lockport.....	222	228
Rochester.....	450	56
Irondequoit, Reynales and Thorold	506	36
Grimsby.....	542	42
Cabot Head.....	584	51
Whirlpool.....	635	16
Queenston.....	651	60
Total Depth:.....		711'.

Geologist: Driller's Log.

Water	Gas
Fresh at 108'.	At 646' to 655'.
Sulphur at 218'.	
Black at 340'.	

**CAMPUS GAS SYNDICATE No. 3**

Willoughby tp., lot 12, con. IV.

Co-ordinates: 810' S. of Marshall Rd., 950' W. of Ort Rd.

Elevation:

Driller: W. Held and Son.

Completed: July 26, 1962.

Result: Gas show, abandoned.

Formation	Top	Thickness
Drift.....	0	70
Salina.....	70	50
Guelph-Lockport.....	120	200
Rochester.....	320	89
Irondequoit, Reynales and Thorold	409	38
Grimsby.....	447	51
Cabot Head.....	498	33
Whirlpool.....	531	25
Queenston.....	556	14
Total Depth:.....		570'.

Geologist: Driller's Log.

Water	Gas
Sulphur at 111'.	Show at 536'.
Black at 170'.	

**WENTWORTH**

**CANADIAN ESSEX No. 2**

Beverly tp., lot 34, con. V.

Co-ordinates: 1,450' S., 330' W.

Elevation: 824' + 2'.

Driller: Chevalier and Tremblay.

Completed: January 17, 1962.

Result: Dry hole, abandoned.

Formation	Top	Thickness
Drift.....	2	2
Guelph-Lockport.....	4	203
Cabot Head.....	207	66
Manitoulin.....	273	13
Whirlpool.....	286	7
Queenston.....	293	517
Meaford-Dundas.....	810	660
Collingwood.....	1,470	180
Trenton.....	1,650	502
Black River.....	2,152	183
Eau Claire.....	2,335	15
Precambrian.....	2,350	34
Total Depth:.....		2,384'.

Geologist: B. V. Sanford.

**Water**

Fresh at 30', 50' and 200'.

Salt at 2,340'.

**CANADIAN ESSEX No. 4**

Beverly tp., lot 32, con. VI.

Co-ordinates: 500' N., 500' E.

Elevation: 895' + 3'.

Driller: E. M. Stevenson.

Completed: November 3, 1962.

Result: Oil show.

Formation	Top	Thickness
Drift.....	3	51
Guelph-Lockport.....	54	215
Reynales.....	269	6
Cabot Head.....	275	61
Manitoulin.....	336	22
Whirlpool.....	358	9
Queenston.....	367	503
Meaford-Dundas and Collingwood.	870	851
Trenton.....	1,721	469
Black River.....	2,190	204
Eau Claire.....	2,394	13
Precambrian.....	2,407	5
Total Depth:.....		2,412'.

Geologist: B. V. Sanford.

**Water**

Fresh at 50'.

Sulphur at 115'.

**Oil**

Show at 2,397' to 2,406'.

## Wentworth County—Continued

CANADIAN ESSEX No. 6

Beverly tp., lot 35, con. VI.

Co-ordinates: 500' S., 500' W.  
 Elevation: 890' + 2'.  
 Driller: E. M. Stevenson.  
 Completed: December 15, 1962.  
 Result: Oil show, abandoned.

Formation	Top	Thickness
Drift.....	2	8
Guelph-Lockport.....	10	202
Rochester.....	212	6
Reynales.....	218	12
Cabot Head.....	230	43
Manitoulin.....	273	43
Queenston.....	316	504
Meaford-Dundas and Collingwood.....	820	850
Trenton.....	1,670	480
Black River.....	2,150	189
Eau Claire.....	2,339	12
Precambrian.....	2,351	29
Total Depth:.....	2,380'	

Geologist: B. V. Sanford.

**Water**                      **Oil**  
 Fresh at 12'.              Show.  
 Sulphur at 40'.  
 Salt at 300'.

CHAS. DALGLEISH No. 1

Glanford tp., lot 14, con. VI.

Co-ordinates: 700' S., 330' E.  
 Elevation:  
 Driller: Culver Drilling Co., Ltd.  
 Completed: September 11, 1962.  
 Result: Gas show, abandoned.

Formation	Top	Thickness
Drift.....	0	90
Undetermined.....	90	10
Guelph-Lockport.....	100	201
Rochester.....	301	29
Irondequoit.....	330	15
Reynales.....	345	5
Thorold.....	350	4
Grimsby.....	354	36
Cabot Head.....	390	50
Manitoulin.....	440	7
Whirlpool.....	447	8
Queenston.....	455	5
Total Depth:.....	460'	

Geologist: B. V. Sanford.

**Water**                      **Gas**  
 Fresh at 97' and 110'.      Show at 346' to 348'.  
 Salt at 346'.

## NOTES

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